





















# CLARK . . . UNIVERSITY

Accelerated Program  
For  
College Men and Women

*Freshmen To Be Admitted January 25th, May 24th, and September 20th*

**A**LTHOUGH recent orders issued by the War and Navy Departments called to active duty many undergraduates now enlisted in the reserve branches, Manpower Chairman Paul V. McNutt has urged that students remain in college until they are actually called. Mr. McNutt further insists that students in the 18 - 19 - year - old group "should not hesitate to enroll to begin their college training at this time."

In accordance with this statement Clark University will continue and enlarge facilities for permitting high school seniors, both men and women, to earn a year's credit toward the Clark bachelor's degree without loss of time during the summer. This arrangement will be of assistance not only to high school seniors, but also to undergraduates remaining in college and to students from other institutions residing in the Worcester area for the summer.

If men are called to service in the midst of a term for which they have paid their tuition and room rent, their accounts will be adjusted by the University and proportionate amounts will be refunded.

## ADMISSION OF HIGH SCHOOL SENIORS

The question of expediting admission to college, under present wartime conditions, of men and women less than eighteen years of age, has been carefully studied at Clark, as at many other institutions. Inquiries from high-ranking seniors indicate that the University's facilities can be advantageously used by admitting Freshmen in January and May, as well as in September 1943. The Faculty has voted as a war emergency measure

- a. that students who will graduate from high school in January or June 1943 may be admitted on January 25 and May 24 respectively, at the beginning of the spring and summer terms, and
- b. other high school students who consider themselves prepared to enter college in January, May, or September should forward their credentials to The Dean. Each case will receive consideration but only high-ranking students who have completed three and one-half years of study should apply.







Freshmen admitted to Clark in January and May 1943, *who desire a maximum of technical training before entering the Armed Services*, are offered courses similar to those outlined in the new Navy College Training Program. A typical war program at Clark might comprise the following five courses, all of which begin on January 25:

ENGLISH COMPOSITION  
MILITARY MATHEMATICS  
DEVELOPMENT OF AMERICAN INSTITUTIONS  
MILITARY GEOGRAPHY  
METEOROLOGY

In addition, courses listed below under the non-military program may be substituted, if desired. *A year course in College Physics will be offered during the summer term.*

Men and women admitted in January or May who do not desire to emphasize military subjects may elect a normal Liberal Arts course, in accordance with the College's group requirements, from the offerings listed below:

ENGLISH COMPOSITION  
FOREIGN LANGUAGE:\* FRENCH, GERMAN,  
SPANISH, LATIN  
SCIENCE: BIOLOGY, MATHEMATICS  
SOCIAL SCIENCE: ECONOMICS, GEOGRAPHY,  
HISTORY  
ELECTIVE: FINE ARTS, ENGLISH LITERA-  
TURE, PUBLIC SPEAKING

A number of scholarships paying half tuition will be available in January and May for applicants both from Worcester and from outside the city.

\*Course to be determined on basis of placement test; students who wish to begin a new language may do so in the Summer Term.

## FOR STUDENTS NOW IN COLLEGE

For undergraduates who can remain in college, the University will provide the usual diversified program of courses and will, so far as possible, continue the customary extra-curricular activities. Men and women of college age who are not participating in active military service or other war work may expect to find at Clark an opportunity for completing their education, thus fitting themselves for special service in the post-war world.

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## PRELIMINARY ANNOUNCEMENT FOR THE SUMMER TERM

We anticipate that a considerable number of men and women undergraduates will wish to accelerate their programs by continuing studies during the summer months.

THE SUMMER TERM OPENS MAY 24th  
THE FIRST SIX-WEEK SESSION CLOSES JULY 2nd  
THE SECOND SIX-WEEK SESSION OPENS JULY 6th  
THE SUMMER TERM CLOSES AUGUST 13th

Classes during the Summer Term meet five times weekly, Monday to Friday, inclusive. A normal program consists of two courses, each of which yields credit of six semester hours.

Tuition for the Summer Term is \$96.00, for one six-week session, \$48.00. These charges are exactly on the same basis as those paid during the other terms of the academic year.

The program for the Summer Term will include courses in the following fields of study:

BIOLOGY  
BUSINESS ADMINISTRATION  
CHEMISTRY  
DRAMATIC ART AND PUBLIC SPEAKING  
ECONOMICS  
ENGLISH COMPOSITION AND LITERATURE  
GEOGRAPHY  
HISTORY  
MODERN LANGUAGES: FRENCH, GERMAN,  
SPANISH  
PHYSICS  
PSYCHOLOGY AND EDUCATION

## OPPORTUNITIES FOR STUDENTS OF OTHER COLLEGES

A limited number of undergraduate or graduate students of other colleges living in the Worcester area who wish to take advantage of the Summer Term facilities at Clark will be welcome.

Students who cannot attend during the first six-week session may enter on July 6th, at the opening of the second session, and complete six weeks of work.

Courses of special interest to teachers will be offered during the second six weeks in the fields of Biology, Dramatic Art, Education, Psychology, History, and Geography.

Detailed description of all courses to be offered will be published as soon as feasible. Students interested in attending either or both sessions of the Summer Term are urged to make early inquiry regarding courses desired.



**CLARK UNIVERSITY SUMMER SCHOOL**

**SPECIAL BULLETIN**

**Clark Summer Workshop  
in  
High School Geography**

**JULY 6 TO AUGUST 13, 1943**

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**Dr. Wallace W. Atwood, Director of the Graduate School of Geography. With ten years of teaching experience at the High School level.**

**Kathryn Schnorrenburg of the State Teachers College, Towson, Md. Specialist in workshop procedure and High School geography.**

**Dr. W. Elmer Ekblaw, Anthropogeography, Food Production and Agricultural Geography.**

**Dr. Samuel Van Valkenburg, Meteorology, Political Geography and Geography of the War Zones.**

**Mr. Henry J. Warman, Military Geography, Cartography and Interpretation of Aerial Photographs.**

**Mr. Guy H. Burnham, Cartography, Charts and Graphs.**



**A**MONG the tasks forced upon us by the continued development of democratic education, by the war emergency and by the prospects of a period of reconstruction, is the organization of work in geography that is appropriate for the High School students of this country.

Dr. Studebaker, United States Commissioner of Education, has said, "Apart from rather backward nations, we are more illiterate geographically than any civilized nation I know. . . . So I would recommend that in some way throughout the secondary schools and in colleges and universities a real emphasis now be laid upon acquainting the American citizens with the realities of the world through intensive courses in world geography." The National Council of the Social Studies has announced that "at least a full year of systematic study of social geography, closely related to other social studies courses, and preferably to precede the study of world history, should be required of all secondary school pupils." Dean Benjamin of the University of Maryland, holds that "in secondary schools we teach practically no geography. To understand people, we need to know how they live in relation to their environment. We need the geography of the Americas in our high school curriculum." Professor Spykman of Yale, states in the opening of his recent book on American strategy, "Geography is the most fundamental factor in the foreign policy of states because it is the most important." The following quotation from Miss Semple has had a deep influence upon advanced students of geography for the past three decades, "nature has been so silent in her persistent influence over man, that the geographic factor in the equation of human development has been overlooked." Col. Beukema has proposed the introduction of more geography in the training of Army Officers at West Point. The instruction in Pre-Flight Aeronautics now planned for the High Schools calls for training in meteorology and map reading and map interpretation. Airplane pilots should become experts in the use of maps in finding their objectives, reporting accurately observations and in finding their way back to their home bases.

The manifold problems that lie ahead of us in developing a more cooperative civilization on this earth all call for a broadening of our education. The citizens of this country must come to understand the peoples and the actual living conditions in the different parts of the world.

The knowledge of world geography can serve in a very important way as basic in the organization of social studies and in providing a sympathetic and intelligent understanding of national and international problems.

Calls have come from all sections of this country for guidance in the organization of courses in geography for the secondary schools. Some think they want war geography, some physical geography, others ask about geopolitics; all

apparently desire the work to emphasize human or social phases of geography. Most every inquirer asks for a course of study or syllabus. There never was a time when there was a greater call for guidance in the organization of geographical work. There never was a grander opportunity for a group of geographers working cooperatively to render an important service to democratic education.

#### EQUIPMENT

At the Clark Graduate School of Geography there are special library and map collections available, full equipment for enlarging and reducing maps, drafting and electrically lighted tracing tables, a dark room, and instruments used in various phases of cartography. Text books, pamphlets, courses of study, work books, and all other available materials bearing upon High School Geography will be assembled for the Workshop.

#### PLAN OF WORK

This project is designed particularly for those who are now teaching geography in Junior or Senior High Schools or who anticipate such responsibility. Some may come with problems on which they wish to concentrate; others will select special phases of the program for their individual attention. Each day will commonly start with a talk by one of the staff on some phase of the general problem of the Workshop. Frequent individual or group conferences will be held, and toward the end of the session there will be a series of reports and a pooling of ideas and plans. We plan to build a course of study in geography suitable for the ninth or tenth grade.

Registration in the Workshop must be limited and advance arrangements are recommended.

Courses in Physical, Political, Military, Human, and Cultural Geography together with work in Cartography, Map Interpretation and use of Airplane Photographs will be offered during the Summer Term, May 24 to August 13.

Full or half-time undergraduate or graduate  
resident credit may be earned.

Tuition for six weeks is \$48.00, for three weeks,  
\$24.00. Those who have never attended Clark  
will pay a \$5.00 matriculation fee.

*Address inquiries to Clark University School of Geography, Worcester, Massachusetts*





# Clark University Bulletin

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MARCH, 1943

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CATALOGUE NUMBER



WORCESTER, MASSACHUSETTS





*Rec'd from printer  
5/26/43  
Heffernan Press.*

# Clark University Bulletin

## CATALOGUE NUMBER

The Catalogue is a record for the current academic year, 1942-43. Such announcements for the year 1943-44 as can be made at the time of publication are included.



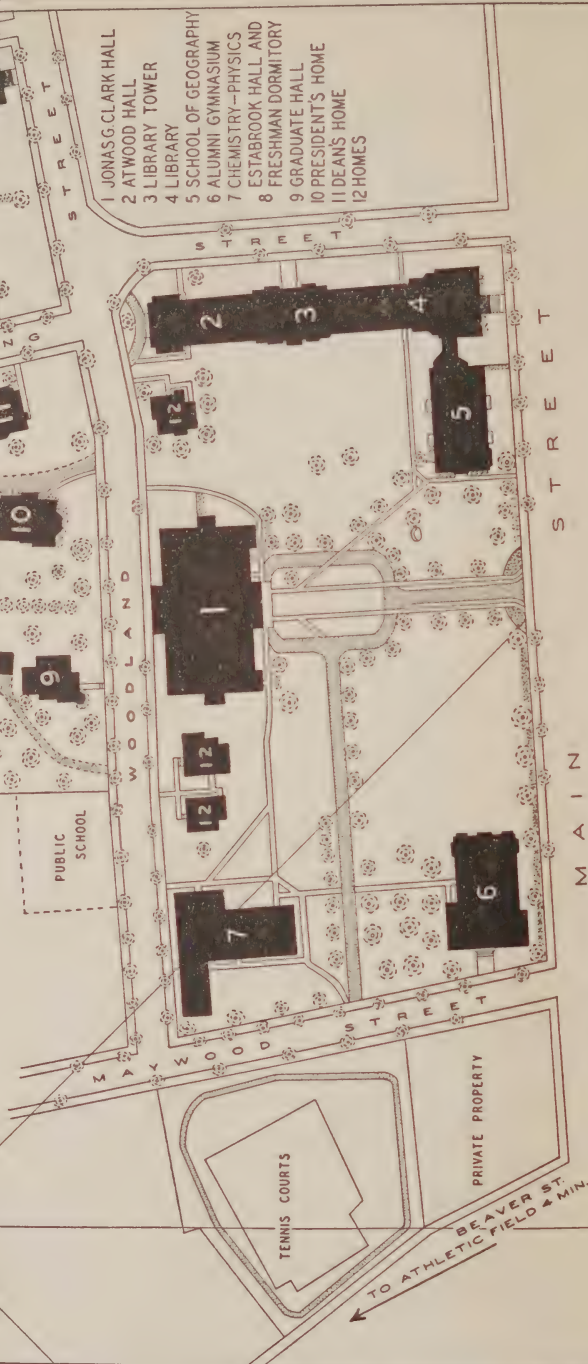
Beginning May, 1942, the traditional two-semester academic year with an independent six-week summer school has been superseded, as a war-time measure, by an academic year of two sixteen-week terms supplemented by a twelve-week summer term. Announcements throughout the catalogue have been altered, so far as possible, to correspond to this change. The "academic year" for graduate students begins with the fall term in September, and ends with the spring term, in May.

The Bulletin is published in January, March,  
September, October, and December

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# CLARK UNIVERSITY MAIN CAMPUS



The university campus is on South Main Street about a mile and a quarter from the City Hall. Here and on adjacent areas, as indicated by the map, the principal buildings are located.

The university athletic field is at the corner of Park Avenue and Beaver Street, and the Hadwen Arboretum is at the corner of Lowell and May Streets.



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# Calendar

The academic year begins on the Monday before the fourth Thursday in September, and ends on Commencement Day, the thirty-eighth Monday (the first or second Monday in June).

The first semester ends on the Saturday before the twentieth Monday and the second semester begins on the twentieth Monday of the academic year.

Note: During the current national emergency the Calendar has been modified as indicated below. Other changes may be made. Such changes will be announced in special bulletins and through the local newspapers.

<b>1942</b>		
Sept. 18-19		Freshman induction days.
Sept. 19	Saturday	Registration day for freshman men.
Sept. 21	Monday	Registration day for all other students. Beginning of the academic year.
Oct. 12	Monday	Columbus Day. Not a holiday.
Nov. 11	Wednesday	Armistice Day. A holiday.
Nov. 14	Saturday	Mid-term reports.
Nov. 25	Wednesday	Beginning of Thanksgiving recess at 6 P.M.
Nov. 30	Monday	End of Thanksgiving recess at 8 A.M.
Dec. 19	Saturday	Beginning of Christmas recess at 1 P.M.

<b>1943</b>		
Jan. 4	Monday	End of Christmas recess at 8 A.M.
Jan. 9	Saturday	Last day for receiving applications for undergraduate scholarships for the spring term.
Jan. 11-13		Registration days for the spring term.
Jan. 13	Wednesday	Beginning of fall term examination period.
Jan. 23	Saturday	End of fall term.
Jan. 24	Sunday	Commencement day.
Jan. 25	Monday	Beginning of spring term.
Jan. 30	Saturday	Last day for changes in undergraduate programs. Last day for receiving applications for admission to candidacy for the degree of Master of Arts in May, 1943.
Feb. 1	Monday	Founder's day. Not a holiday.
Feb. 4	Thursday	Last day for payment of term bills.
Feb. 22	Monday	Washington's Birthday. A holiday.
Feb. 27	Saturday	Last day for receiving applications for graduate scholarships for 1943-44.
Mar. 13	Saturday	Mid-term reports.
Apr. 1	Thursday	Beginning of spring recess at 5 P.M.
Apr. 5	Monday	End of spring recess at 8 A.M.
Apr. 19	Monday	Patriot's day. Not a holiday.
May 5	Wednesday	Beginning of spring term examination period.
May 13	Thursday	Last day of term examinations. Dissertations and theses for the Ph.D. and M.A. degrees are due at the office of the Recorder at 9 A.M.
May 16	Sunday	Commencement day.
May 24	Monday	Beginning of summer term.
May 30	Sunday	Memorial Day.
May 31	Monday	A holiday.
July 2	Friday	End of first session of summer term.

July 6	Tuesday	Beginning of second session of summer term. (Corresponding to "Summer School" of previous years.)
Aug. 13	Friday	End of summer term. Conferring of degrees.
Sept. 17-18		Freshman induction days.
Sept. 20	Monday	Beginning of fall term.
Sept. 25	Saturday	Last day for changes in undergraduate programs.
Sept. 30	Thursday	Last day for payment of term bills.
Oct. 12	Tuesday	Columbus Day. Not a holiday.
Nov. 11	Thursday	Armistice Day. A holiday.
Nov. 13	Saturday	Mid-semester reports.
Nov. 24	Wednesday	Beginning of Thanksgiving recess at 6 P.M.
Nov. 29	Monday	End of Thanksgiving recess at 8 A.M.
Dec. 18	Saturday	Beginning of Christmas recess at 1 P.M.
<b>1944</b>		
Jan. 3	Monday	End of Christmas recess at 8 A.M.
Jan. 6-8		Registration days for spring term.
Jan. 12	Wednesday	Beginning of fall term examination period.
Jan. 22	Saturday	End of fall term.
Jan. 23	Sunday	Commencement day.
Jan. 24	Monday	Beginning of spring term.
Jan. 29	Saturday	Last day for changes in undergraduate programs.
		Last day for receiving applications for admission to candidacy for the degree of Master of Arts in May, 1944.
Feb. 1	Tuesday	Founder's day. Not a holiday.
Feb. 3	Thursday	Last day for payment of term bills.
Feb. 22	Tuesday	Washington's Birthday. A holiday.
Feb. 29	Tuesday	Last day for receiving applications for graduate scholarships and fellowships for 1944-45.
Mar. 11	Saturday	Mid-term reports.
Apr. 6	Thursday	Beginning of spring recess at 5 P.M.
Apr. 10	Monday	End of spring recess at 8 A.M.
Apr. 19	Wednesday	Patriot's day. Not a holiday.
May 3	Wednesday	Beginning of spring term examination period.
May 11	Thursday	Last day of examinations. Dissertations and theses for the Ph.D. and M.A. degrees are due at the office of the Recorder at 9 A.M.
May 14	Sunday	Commencement day.
May 22	Monday	Beginning of summer term.
June 30	Friday	End of first session of summer term.
July 3	Monday	Beginning of second session of summer term. (Corresponding to "Summer School" of previous years.)
Aug. 11	Friday	End of summer term. Conferring of degrees.
Sept. 25	Monday	Beginning of fall term.



## BOARD OF TRUSTEES

GEORGE H. MIRICK (1920), Vice President and Treasurer	Worcester, Mass.
ALEXANDER H. BULLOCK (1926), President	Worcester, Mass.
LEON E. FELTON (1930), Secretary	Worcester, Mass.
FRANCIS H. DEWEY, JR. (1934)	Worcester, Mass.
ROBERT H. LOOMIS (1936)	Boston, Mass.
FRANK L. ADAMS (1938)	Worcester, Mass.
HOWARD M. BOOTH (1939)	Worcester, Mass.
SAMUEL H. DOLBEAR (1940)	New York, N. Y.
CARL E. WAHLSTROM (1942)	Worcester, Mass.

Final authority in all matters pertaining to the University is lodged in the Board of Trustees by charter granted by the General Court of the Commonwealth of Massachusetts.

## ADMINISTRATIVE OFFICERS

President of the University	WALLACE WALTER ATWOOD
Acting Librarian	EDITH M. BAKER
Dean of the College	HOMER P. LITTLE
Director of Extension Courses	PHILIP H. CHURCHMAN
Recorder	LYDIA P. COLBY
Bursar	FLORENCE CHANDLER

## University Staff

The following members of the University Faculty expect to be in attendance during the year 1943-44.

(Listed in order of academic seniority within each rank)

WALLACE WALTER ATWOOD, PH.D. 160 Woodland St.  
President, Professor of Physical and Regional Geography, and Director of  
the Graduate School of Geography, since 1920.  
B.S., University of Chicago, 1897; Ph.D., 1903.

HOMER PAYSON LITTLE, PH.D. 156 Woodland St.  
Dean of the College and Professor of Geology since 1922.  
A.B., Williams College, 1906; Ph.D., Johns Hopkins University, 1910.

BENJAMIN SHORES MERIGOLD, PH.D., Sc.D. 17 Charlotte St.  
Professor of Chemistry and Director of the Chemical Laboratories.  
A.B., Harvard University, 1896; A.M., 1897; Ph.D., 1901; Sc.D., Clark  
University, 1941. Assistant Professor, 1903-08; Professor since 1908.

GEORGE HUBBARD BLAKESLEE, PH.D., L.H.D., D.ENG., LL.D.  
Professor of History and International Relations. 21 Downing St.  
A.B., Wesleyan University, 1893; L.H.D., 1923; A.M., Harvard University,  
1900; Ph.D., 1903; L.H.D., Williams College, 1930; LL.D., Brown Uni-  
versity, 1936; Clark University, 1941; D.Eng., Worcester Polytechnic In-  
stitute, 1942. Instructor, 1903-04; Assistant Professor, 1904-09; Professor  
since 1909.

PHILIP HUDSON CHURCHMAN, PH.D. 20 Institute Rd.  
Professor of Romance Languages and Director of Extension Courses.  
A.B., Princeton University, 1896; A.M., 1903; Ph.D., Harvard University,  
1908. Assistant Professor, 1908-11; Professor since 1911.

HAVEN DARLING BRACKETT, PH.D. 114 Woodland St.  
Professor of Greek and Latin.  
A.B., Amherst College, 1898; Ph.D., Harvard University, 1904. Instructor,  
1904-06; Assistant Professor, 1906-12; Professor since 1912.

LEROY ALLSTON AMES, A.M. 166 Woodland St.  
Professor of English Literature.  
A.B., Harvard University, 1896; A.M., 1901. Instructor, 1908-10; Assistant  
Professor, 1910-15; Professor since 1915.



THE UNIVERSITY FACULTY, 1942-43

(Listed in order of academic seniority within each rank)

WALLACE WALTER ATWOOD, Ph.D. 160 Woodland St.

President, Professor of Physical and Regional  
Geography, and Director of the Graduate School  
of Geography since 1920.

B.S., University of Chicago, 1897; Ph.D., 1903.

HOMER PAYSON LITTLE, Ph.D. 156 Woodland St.

Dean of the College and Professor of Geology  
since 1922.

A.B., Williams College, 1906; Ph.D., Johns Hopkins  
University, 1910.

WILLIAM HOMER WARREN, Ph.D.

Professor of Organic Chemistry, 1925-37.

Professor Emeritus.

DOUGLAS CLAY RIDGLEY, Ph.D.

Professor of Geography in Education, 1927-37.

Professor Emeritus.

BENJAMIN SHORES MERIGOLD, Ph.D., Sc.D. 17 Charlotte St.

Professor of Chemistry and Director of the  
Chemical Laboratories.

A.B., Harvard University, 1896; A.M., 1897; Ph.D.,  
1901; Sc.D., Clark University, 1941.

Assistant Professor, 1903-08; Professor since 1908.

GEORGE HUBBARD BLAKESLEE, Ph.D., L.H.D., D.Eng., LL.D.

21 Downing St.

Professor of History and International Relations.

A.B., Wesleyan University, 1893; L.H.D., 1923;

A.M., Harvard University, 1900; Ph.D., 1903;

L.H.D., Williams College, 1930; LL.D., Brown  
University, 1936; Clark University, 1941; D.Eng.,

Worcester Polytechnic Institute, 1942.

Instructor, 1903-04; Assistant Professor, 1904-09;

Professor since 1909.

PHILIP HUDSON CHURCHMAN, Ph.D. 20 Institute Rd.

Professor of Romance Languages and Director of  
Extension Courses.

A.B., Princeton University, 1896; A.M., 1903, Ph.D.,  
Harvard University, 1908. Assistant Professor,

1908-11; Professor since 1911.



HAVEN DARLING BRACKETT, Ph.D. 114 Woodland St.  
Professor of Greek and Latin.  
A.B., Amherst College, 1898; Ph.D., Harvard University, 1904. Instructor, 1904-06; Assistant Professor, 1906-13; Professor since 1912.

LEROY ALLSTON AMES, A.M. 166 Woodland St.  
Professor of English Literature.  
A.B., Harvard University, 1896; A.M., 1901. Instructor, 1908-10; Assistant Professor, 1910-15; Professor since 1915.

LORING HOLMES DCDD, Ph.D. 88 Sagamore Rd.  
Professor of Rhetoric. Curator of Art.  
A.B., Dartmouth College, 1900; A.M., Columbia University, 1901; Ph.D., Yale University, 1907. Instructor, 1910-13; Assistant Professor, 1913-16; Associate Professor, 1916-20; Professor since 1920.

\*ROBERT HUTCHINS GODDARD, Ph.D.  
Professor of Physics and Director of the Physical Laboratories.  
B.S., Worcester Polytechnic Institute, 1908; A.M., Clark University, 1910; Ph.D., 1911. Instructor, 1914-15; Assistant Professor, 1915-19; Associate Professor, 1919-20; Professor since 1920.

SAMUEL J. BRANDENBURG, Ph.D. 173 Woodland St.  
Professor of Economics and Sociology since 1923.  
A.B., Miami University, 1904; Ph.M., University of Chicago, 1909; Ph.D., University of Wisconsin, 1922.

\*\*CLARENCE FIELDEN JONES, Ph.D. 193 Lovell St.  
Professor of Economic Geography  
B.S., University of Chicago, 1917; Ph.D., 1923.  
Assistant Professor, 1923-26; Associate Professor, 1926-28; Professor since 1928.

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\*Absent on leave, 1934-.

\*\*Absent on leave, 1942-.





University Faculty -3-

WALTER ELMER EKBLAW, Ph.D. 11 Wheeler Rd.  
Professor of Geography. N. Grafton, Mass.  
A.B., University of Illinois, 1910; A.M., 1912;  
Ph.D., Clark University, 1926. Associate Pro-  
fessor, 1926-28; Professor since 1928.

HUDSON HOAGLAND, Ph.D. 150 Woodland St.  
Professor of General Physiology since 1931.  
A.B., Columbia University, 1921; M.S., Massachu-  
setts Institute of Technology, 1924; Ph.D.,  
Harvard University, 1927.

SAMUEL VAN VALKENBURG, Ph.D. 11 South Flagg St.  
Professor of Climatology and Regional Geography.  
Ph.D., University of Zurich, 1918; Special Lecturer  
in Geography, second semester 1926-27; Assistant  
Professor, 1927-29; Associate Professor, 1932-37;  
Professor since 1937 (February).

JESSE LUNT BULLOCK, Ph.D. 35 Downing St.  
Professor of Chemistry.  
A.B., Harvard University, 1914; A.M., 1928; Ph.D.,  
1932. Assistant Professor, 1926-32; Associate  
Professor, 1932-37; Professor since 1937 (February).

\*JAMES ACKLEY MAXWELL, Ph.D.  
Professor of Economics.  
A.B., Dalhousie University, 1921; A.M., Harvard Uni-  
versity, 1923; Ph.D., 1927 (February). Instructor,  
1924-26; Assistant Professor, 1926-28; Associate  
Professor, 1928-37; Professor since 1937 (February).

VERNON JONES, Ph.D. 267 Salisbury St.  
Professor of Educational Psychology.  
A.B., and A.M., University of Virginia, 1920; A.M.,  
Columbia University, 1924; Ph.D., 1926. Associate  
Professor, 1926-38; Professor since 1938 (February).

\*\*ARTHUR FLETCHER LUCAS, Ph.D. 54 Morningside Rd.  
Professor of Economics and Business Administration.  
A.B., Bates College, 1920; A.M., Princeton University,

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\*Absent on leave, 1942-.

\*\*Absent on leave, February 1943-.





1923; Ph.D., 1925. Assistant Professor, 1926-29; Associate Professor, 1929-38; Professor since 1938 (February).

\*DWIGHT ERWIN LEE, Ph.D.

Professor of Modern European History.

A.B., University of Rochester, 1921; A.M., 1922;

Ph.D., Harvard University, 1928 (February).

Assistant Professor, 1927-30; Associate Professor, 1930-38; Professor since 1938 (February).

HENRY DONALDSON JORDAN, Ph.D.

171 Woodland St.

Professor of English History.

A.B., Harvard University, 1918; A.M., 1922; Ph.D.,

1925. Associate Professor, 1931-38; Professor since 1938 (February).

ROBERT STANLEY ILLINGWORTH, A.M., Ed.M. 209 Lovell St.

Professor of Dramatic Art. Alumni Secretary.

A.B., Clark University, 1917; A.M., Lafayette College, 1926; Ed.M., Harvard University, 1933.

Associate Professor of English, 1931-38; Professor since 1938 (February). Director of the Summer School, 1935-41.

DAVID POTTER, Ph.D.

Estabrook Hall

Professor of Biology.

B.Sc., Massachusetts Agricultural College, 1916;

M.Sc., 1923; Ph.D., Harvard University, 1931.

Instructor, 1924-27; Assistant Professor, 1927-33; Associate Professor, 1933-38; Professor since 1938 (February).

CAREY EYSTER MELVILLE, A.B.

16 Isabella St.

Associate Professor of Mathematics.

A.B., Northwestern University, 1901. Assistant

in Mathematics, 1906-09; Instructor, 1909-11;

Assistant Professor, 1911-18; Associate Professor, 1918-43. Professor, 1943-. Registrar, 1914-32.

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\*Absent on leave, 1942-43.



PERCY MARTIN ROOPE, Ph.D. 2 Lovell Drive  
Associate Professor of Physics.  
A.B., Clark University, 1920; A.M., 1924; Ph.D.,  
1927. Instructor, 1921-27; Assistant Pro-  
fessor, 1927-31; Associate Professor, 1931-43;  
Professor, 1943-.

HENRY MORANT BOSSHARD, Ph.D. 33 St. Elmo Rd.  
Associate Professor of German  
Ph.D., University of Zürich, 1919; M.Ed., Harvard  
University, 1921. Assistant Professor, 1927-32;  
Associate Professor, 1932-43; Professor, 1943-.

DAVID MITCHELL DOUGHERTY, Ph.D. 5 Columbine Rd.  
Associate Professor of Romance Languages.  
A.B., University of Delaware, 1925; A.M., Har-  
vard University, 1927; Ph.D., 1932. Assistant  
Professor, 1931-40; Associate Professor since  
1940 (February).

\*WALLACE WALTER ATWOOD, Jr., Ph.D. 88 Morningside Rd.  
Associate Professor of Physiography and Regional  
Geography.  
B.S., University of Chicago, 1926; A.M., Clark  
University, 1927; Ph.D., 1930. Assistant Pro-  
fessor, 1932 (February) - 1940; Associate  
Professor since 1940 (February).

\*\*DONALD E. SUPER, Ph.D.  
Associate Professor of Educational Psychology.  
B.A., University of Oxford, 1932; M.A., 1936;  
Ph.D., Columbia University, 1940. Assistant  
Professor, 1938-41 (February); Associate  
Professor since 1941 (February).

FREDERICK EUGENE MELDER, Ph.D.  
921 Main St., Leicester, Mass.  
Associate Professor of Economics and Business  
Administration.

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\*Absent on leave, March 1943-.

\*\*Absent on leave, March 1942-.





B.B.A., University of Washington, 1926; M.A., 1931; Ph.D., University of Wisconsin, 1936.  
Assistant Professor of Economics and Sociology, 1937-42; Associate Professor of Economics and Business Administration, 1942-.

\*ROBERT H. BROWN, Ph.D. 7 Brookline St.  
Assistant Professor of Experimental Psychology since 1937.  
A.B., Wesleyan University, 1932; A.M., Clark University, 1933; Ph.D., 1935.

\*\*DUNCAN PECK MacDOUGALL, Ph.D.  
Assistant Professor of Chemistry since 1937.  
A.B., Pomona College, 1929; Ph.D., University of California, 1933.

RUDOLPH FINK NUNNEMACHER, Ph.D. 28 Copperfield Rd.  
Assistant Professor of Biology since 1939.  
B.S., Kenyon College, 1934; A.M., Harvard University, 1935; Ph.D., 1938.

DAHIEL C. DENNETT, Jr., Ph.D. 89 Olean St.  
Assistant Professor of European History since 1942.  
A.B., Harvard University, 1931; Ph.D., 1939.

KURT EHLERS, Ph.D. 941 Main St.  
Assistant Professor of Economics since 1942.  
Ph.D., University of Basle, Switzerland, 1938.

ROBERT P. FISCHER, Ph.D. 9 Shirley St.  
Assistant Professor of Psychology since 1942.  
A.B., Ohio State University, 1938; M.A., 1940; Ph.D., 1942.

GEORGE EDWARD HARGEST, M.Ed. 7 Lowell St.  
Assistant Professor of Economics and Business Administration since 1942.  
B.S., Temple University, 1933; M.Ed., 1937.

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\*Absent on leave, December 1942-.

\*\*Absent on leave, February 1941-.





- ARTHUR EARL MARTELL, Ph.D. Carleton Rd.  
Millbury, Mass.  
Assistant Professor of Chemistry since 1942.  
B.S., Worcester Polytechnic Institute, 1938;  
Ph.D., New York University, 1941.
- EDWIN C. ROZWENC, Ph.D. 3 Woodman Rd.  
Assistant Professor of American History  
since 1942.  
A.B., Amherst College, 1937; M.A., Columbia Uni-  
versity, 1938; Ph.D., 1941.
- PAUL F. MARBLE, A.M. 16 Marble St.  
Instructor in English since 1939.  
Ph.B., Brown University, 1930; A.M., 1933.
- NORRIS DRESSER HOYT, Ph.D. Princeton, Mass.  
Instructor in English since 1940.  
A.B., Yale College, 1936; Ph.D., 1941.
- ROY C. GUNTER, Ph.D. 18 Florence St.  
Instructor in Physics and Mathematics.  
B.S., Bowdoin College, 1938; A.M., Boston Uni-  
versity, 1939; Ph.D., 1942. Instructor in  
Physics and Mathematics, 1941 (February) -  
1943; Assistant Professor of Physics, 1943-.
- T. CHARLES LEE, M.A. 20 Loudon St.  
Instructor in Music since 1942, and Director  
of the Musical Organizations.  
B.M., Oberlin College, 1936; M.S.M., Union  
Theological Seminary, School of Sacred Music,  
1938.



### OTHER MEMBERS OF THE STAFF

GREGORY PINCUS, Ph.D. 60 Downing St.  
Visiting Professor of Experimental Biology.

CHARLOTTE BERTHA BÜHLER, Ph.D.  
Visiting Professor of Psychology, 1942-43.

CHARLES H. SAWYER                      Director, Worcester Art Museum  
Professor (Affiliate) of Fine Arts, 1942-..

SAUL ROSENZWEIG, Ph.D. Worcester State Hospital  
Assistant Professor (Affiliate) of Abnormal  
Psychology.

ELIOT RODNICK, Ph.D. Worcester State Hospital  
Visiting Lecturer in Psychology

GUY H. BURNHAM, A.M. 19 Woodman Rd.  
Cartographer, Graduate School of Geography.

ERNEST RAYMOND WHITMAN  
Director of Physical Education.

ROCHELEAU Z. GRANGER 151 Dewey St.  
Assistant Director of Physical Education.

M. HAZEL HUGHES 638 Pleasant St.  
Director of Physical Education in the Women's  
College.

MICHAEL B. FOX, M.D. 390 Main St.  
Medical Director.

CONSTANCE KALIRIS, M.D. 52 Downing St.  
Medical Director for Women.

## RESEARCH ASSOCIATES IN BIOLOGY

ALAN MATHER, Ph.D. RICHARD C. POTTER, B.Sc.  
WILLIAM PEARLMAN, Ph.D. NICHOLAS T. WERTHESEN, Ph.D.





RESEARCH ASSISTANT IN BIOLOGY

Irving M. Weiss, B.S.

- CURATOR IN DRAMATIC ART

Sidney Sawyer

---

FLORENCE CHANDLER

18 Downing St.

Bursar

LYDIA P. COLBY

276 Highland St.

Recorder





LORING HOLMES DODD, PH.D. 88 Sagamore Rd.

Professor of Rhetoric. Curator of Art.

A.B., Dartmouth College, 1900; A.M., Columbia University, 1901; Ph.D., Yale University, 1907. Instructor, 1910-13; Assistant Professor, 1913-16; Associate Professor, 1916-20; Professor since 1920.

SAMUEL J. BRANDENBURG, PH.D. 173 Woodland St.

Professor of Economics and Sociology since 1923.

A.B., Miami University, 1904; Ph.M., University of Chicago, 1909; Ph.D., University of Wisconsin, 1922.

WALTER ELMER EKBLAW, PH.D. 11 Wheeler Rd., N. Grafton, Mass.

Professor of Geography.

A.B., University of Illinois, 1910; A.M., 1912; Ph.D., Clark University, 1926. Associate Professor, 1926-28; Professor since 1928.

SAMUEL VAN VALKENBURG, PH.D. 11 South Flagg St.

Professor of Climatology and Regional Geography.

Ph.D., University of Zürich, 1918. Special Lecturer in Geography, second semester, 1926-27; Assistant Professor, 1927-29; Associate Professor 1932-37; Professor since 1937 (February).

JESSE LUNT BULLOCK, PH.D. 35 Downing St.

Professor of Chemistry.

A.B., Harvard University, 1914; A.M., 1928; Ph.D., 1932. Assistant Professor, 1926-32; Associate Professor 1932-37; Professor since 1937 (February).

VERNON JONES, PH.D. 267 Salisbury St.

Professor of Educational Psychology.

A.B. and A.M., University of Virginia, 1920; A.M., Columbia University, 1924; Ph.D., 1926. Associate Professor, 1926-38; Professor since 1938 (February).

HENRY DONALDSON JORDAN, PH.D. 171 Woodland St.

Professor of English History.

A.B., Harvard University, 1918; A.M., 1922; Ph.D., 1925. Associate Professor, 1931-38; Professor since 1938 (February).

- ROBERT STANLEY ILLINGWORTH, A.M., ED.M. 209 Lovell St.  
Professor of Dramatic Art. Alumni Secretary.  
A.B., Clark University, 1917; A.M., Lafayette College, 1926; Ed.M., Harvard University, 1933. Associate Professor of English, 1931-38; Professor since 1938 (February). Director of the Summer School, 1935-41.
- DAVID POTTER, PH.D. Estabrook Hall  
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B.Sc., Massachusetts Agricultural College, 1916; M.Sc., 1923; Ph.D., Harvard University, 1931. Instructor, 1924-27; Assistant Professor, 1927-33; Associate Professor, 1933-38; Professor since 1938 (February).
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Associate Professor of Mathematics.  
A.B., Northwestern University, 1901. Assistant in Mathematics, 1906-09; Instructor, 1909-11; Assistant Professor, 1911-18; Associate Professor, 1918-43. Professor, 1943-. Registrar, 1914-32.
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- HENRY MORANT BOSSHARD, PH.D. 33 St. Elmo Rd.  
Associate Professor of German.  
Ph.D., University of Zürich, 1919; M.Ed., Harvard University, 1921. Assistant Professor, 1927-32; Associate Professor 1932-43; Professor, 1943-.
- DAVID MITCHELL DOUGHERTY, PH.D. 5 Columbine Rd.  
Associate Professor of Romance Languages.  
A.B., University of Delaware, 1925; A.M., Harvard University, 1927; Ph.D., 1932. Assistant Professor, 1931-40; Associate Professor since 1940 (February).
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Associate Professor of Economics and Business Administration.  
B.B.A., University of Washington, 1926; M.A., 1931; Ph.D., University of Wisconsin, 1936. Assistant Professor of Economics and Sociology, 1937-42; Associate Professor of Economics and Business Administration, 1942-.

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Assistant Professor of Experimental Psychology since 1937.  
A.B., Wesleyan University, 1932; A.M., Clark University, 1933; Ph.D., 1935.
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Assistant Professor of Biology since 1939.  
B.S., Kenyon College, 1934; M.A., Harvard University, 1935; Ph.D., 1938.
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Assistant Professor of Psychology since 1942.  
A.B., Ohio State University, 1938; M.A., 1940; Ph.D., 1942.
- GEORGE EDWARD HARGEST, M.ED. 7 Lowell St.  
Assistant Professor of Economics and Business Administration since 1942.  
B.S., Temple University, 1933; M.Ed., 1937.
- ARTHUR EARL MARTELL, PH.D. Carleton Rd., Millbury, Mass.  
Assistant Professor of Chemistry since 1942.  
B.S., Worcester Polytechnic Institute, 1938; Ph.D., New York University, 1941.
- EDWIN C. ROZWENC, PH.D. 3 Woodman Rd.  
Assistant Professor of American History since 1942.  
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- PAUL F. MARBLE, A.M. 16 Marble St.  
Instructor in English since 1939.  
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- NORRIS D. HOYT, PH.D. Princeton, Mass.  
Instructor in English since 1940.  
A.B., Yale College, 1936; Ph.D., 1941.
- ROY C. GUNTER, PH.D. 18 Florence St.  
Instructor in Physics and Mathematics.  
B.S., Bowdoin College, 1938; A.M., Boston University, 1939; Ph.D., 1942.  
Instructor in Physics and Mathematics, 1941 (February)-1943; Assistant Professor of Physics, 1943-.



T. CHARLES LEE, M.A.

20 Loudon St.

Instructor in Music since 1942, and Director of the Musical Organizations.  
B.M., Oberlin College, 1936; M.S.M., Union Theological Seminary, School  
of Sacred Music, 1938.

ERNEST RAYMOND WHITMAN

48 Downing St.

Director of Physical Education.

## OTHER MEMBERS OF THE STAFF

GREGORY PINCUS, PH.D.

60 Downing St.

Visiting Professor of Experimental Biology.

CHARLES H. SAWYER

Director, Worcester Art Museum

Professor (Affiliate) of Fine Arts, 1942-.

SAUL ROSENZWEIG, PH.D.

Worcester State Hospital

Assistant Professor (Affiliate) of Abnormal Psychology.

GUY H. BURNHAM, A.M.

19 Woodman Rd.

Cartographer, Graduate School of Geography.

ROCHELEAU Z. GRANGER

151 Dewey St.

Assistant Director of Physical Education.

M. HAZEL HUGHES

638 Pleasant St.

Director of Physical Education in the Women's College.

MICHAEL B. FOX, M.D.

390 Main St.

Medical Director.

CONSTANCE KALIRIS, M.D.

52 Downing St.

Medical Director for Women.

## RESEARCH ASSOCIATES IN BIOLOGY

ALAN MATHER, PH.D.

RICHARD C. POTTER, B.Sc.

WILLIAM PEARLMAN, PH.D.

NICHOLAS T. WERTHESEN, PH.D.

## RESEARCH ASSISTANTS IN BIOLOGY

IRVING WEISS, B.S.

UNIVERSITY STAFF

13

CURATOR IN DRAMATIC ART

SIDNEY SAWYER

---

18 Downing St.

FLORENCE CHANDLER  
Bursar.

276 Highland St.

LYDIA P. COLBY  
Recorder.

# Administrative Boards and Committees

## THE UNIVERSITY FACULTY

The Faculty consists of the President, the Librarian, and all members of the staff giving regular courses of instruction. It has immediate supervision over the general educational work of the university and is responsible for the nomination to the Board of Trustees of candidates for baccalaureate degrees and for honorary degrees.

Secretary of the Faculty, Benjamin S. Merigold.

## THE UNIVERSITY SENATE

An advisory board appointed by the President

George H. Blakeslee	Robert S. Illingworth
Samuel J. Brandenburg	Vernon Jones
Loring H. Dodd	Homer P. Little
David M. Dougherty	Benjamin S. Merigold

## THE GRADUATE BOARD

The Graduate Board consists of the President and representatives of the departments offering advanced graduate instruction. It has general control of the work of the Graduate Division and is responsible for the nomination to the Board of Trustees of candidates for the degrees of Master of Arts and of Doctor of Philosophy.

President Wallace W. Atwood, *ex officio*

Wallace W. Atwood, Jr.	Hudson Hoagland
George H. Blakeslee	Vernon Jones
Samuel J. Brandenburg	Arthur F. Lucas
Jesse L. Bullock	Benjamin S. Merigold
W. Elmer Ekblaw	David Potter

Samuel Van Valkenburg  
H. Donaldson Jordan, *Secretary*

## THE COLLEGE BOARD

The College Board consists of the President, the Dean of the college, and six members of the Faculty, appointed by the President. It has immediate supervision over the work of the Undergraduate Division, subject to the control of the Faculty, and recommends to the Faculty candidates for the degree of Bachelor of Arts.

President Wallace W. Atwood }  
Dean Homer P. Little } *ex officio*

Henry M. Bosshard	Norris D. Hoyt
Robert P. Fischer	F. Eugene Melder

Percy M. Roope  
Rudolph F. Nunnemacher, *Secretary*



## THE COMMITTEE ON EXTENSION COURSES AND SPECIAL STUDENTS

The Committee exercises general supervision over "courses of college grade for adults" and over special students including candidates for the degree of Bachelor of Education, and recommends to the Faculty, candidates for this degree.

President Wallace W. Atwood, *ex officio*

Philip H. Churchman, *Chairman*

Samuel J. Brandenburg, *Secretary*

Henry M. Bosshard

Homer P. Little

The Director of the Summer School, *ex officio*

## THE COMMITTEE ON THE SUMMER SCHOOL

President Wallace W. Atwood, *ex officio*

George H. Blakeslee

Robert S. Illingworth

Samuel J. Brandenburg

S. Van Valkenburg

## THE COMMITTEE ON PERSONNEL AND ORGANIZATION

Elected annually to advise the President regarding the personnel and the organization of departments.

H. Donaldson Jordan

Arthur F. Lucas

Homer P. Little

Benjamin S. Merigold

David Potter

## THE ACADEMIC COUNCIL

The Council is appointed by the President of the University subject to regulations providing for the distribution of its membership among the various divisions and departments.

Its duties are: (a) to formulate educational policies and regulations necessary for their administration, subject to approval by the faculty; (b) to approve all courses offered exclusively for undergraduates and to arrange for the offering of new courses which may be required in carrying out approved educational policies; (c) to supervise "honors work", the "senior survey", and comprehensive examinations, and to require departments to make changes necessary to maintain college standards.

The President of the University, *ex officio*

The Dean of the College, *ex officio*

Arthur F. Lucas, *Chairman*

Percy M. Roope, *Secretary*

Leroy A. Ames

H. Donaldson Jordan

Haven D. Brackett

Benjamin S. Merigold

David M. Dougherty

David Potter

Samuel Van Valkenburg

## STANDING COMMITTEES OF THE GRADUATE BOARD

The President of the university is, *ex officio*, a member of all committees of the Graduate Board.

## THE COMMITTEE ON CREDENTIALS

The committee passes upon applications for admission to the graduate division and makes recommendations to the Graduate Board in respect to fellowships and scholarships and candidacy for graduate degrees.

S. Van Valkenburg, *Chairman-Secretary*

George H. Blakeslee

Samuel J. Brandenburg

Vernon Jones

Benjamin S. Merigold

## THE COMMITTEE ON PROFICIENCY IN FOREIGN LANGUAGES

The committee examines candidates for the degree of Doctor of Philosophy for proficiency in foreign languages.

Philip H. Churchman, Professor of Romance Languages

H. M. Bosshard, Associate Professor of German

A representative of the student's major department

## STANDING COMMITTEES OF THE COLLEGE BOARD

The President of the university and the Dean of the college are, *ex officio*, members of all committees of the College Board.

## EXECUTIVE COMMITTEE

Rudolph F. Nunnemacher, *Secretary*

Henry M. Bosshard

## THE COMMITTEE ON ADMISSIONS

Samuel J. Brandenburg

Robert S. Illingworth

Carey E. Melville

Benjamin S. Merigold

## THE COMMITTEE ON ATHLETICS

David Potter, *Chairman*

Arthur F. Lucas

James A. Maxwell

Ernest R. Whitman

## COMMITTEE ON STUDENT FINANCES

Guy H. Burnham, *Chairman*

James A. Maxwell

Ernest R. Whitman

ADMINISTRATIVE BOARDS AND COMMITTEES 17

COMMITTEE ON SOCIAL AFFAIRS

F. Eugene Melder, *Chairman*

Wallace W. Atwood, Jr.

H. Donaldson Jordan

COMMITTEE ON FRATERNITIES

W. Elmer Ekblaw

Arthur F. Lucas

COMMITTEE ON PUBLICATIONS

Leroy A. Ames, *Chairman*

Henry M. Bosshard

Percy M. Roope

COMMITTEE ON STUDENT PERSONNEL

Henry M. Bosshard, *Chairman*

Robert P. Fischer

Paul F. Marble

STANDING COMMITTEES OF THE ACADEMIC COUNCIL

EXECUTIVE COMMITTEE

David M. Dougherty

Arthur F. Lucas, *Chairman*

H. Donaldson Jordan

Percy M. Roope

COMMITTEE ON CURRICULUM

H. Donaldson Jordan, *Chairman*

Haven D. Brackett

David Potter

Samuel Van Valkenburg

COMMITTEE ON SENIOR SURVEY AND HONORS

David M. Dougherty, *Chairman*

Percy M. Roope

Arthur F. Lucas

## General Information

Clark University is located in Worcester, Massachusetts, an industrial and educational center with a population of about two hundred thousand. It is approximately forty miles from Boston and from Providence, R. I., and about two hundred miles from New York City.

An outline of the history of the university will be found in the later pages of this catalogue, immediately preceding the "Register".

### ORGANIZATION

The UNIVERSITY includes:

THE UNDERGRADUATE DIVISION (Clark College) offering to men a general college course leading to the degree of Bachelor of Arts; and a vocational course leading to the degree of Bachelor of Business Administration.

THE DIVISION OF BUSINESS ADMINISTRATION which supervises, in the college, the program leading to the degree of Bachelor of Business Administration.

THE WOMEN'S COLLEGE offering to women, in coöperation with Clark College, courses leading to the degrees of Bachelor of Arts and Bachelor of Business Administration.

THE GRADUATE DIVISION offering advanced instruction leading to the degrees of Master of Arts and Doctor of Philosophy.

THE GRADUATE SCHOOL OF GEOGRAPHY offering special training leading to higher degrees in geography.

THE GRADUATE DIVISION OF INTERNATIONAL AFFAIRS offering work leading to higher degrees in international affairs.

THE GRADUATE DIVISION OF EDUCATION, in the Department of Psychology and Education, offering work leading to the degree of Master of Arts in Education.

THE SUMMER SCHOOL\* offering both undergraduate and graduate instruction with special references to candidates for the degrees of Bachelor of Education and Master of Arts.

THE EXTENSION DIVISION offering courses at the university in the late afternoon, evenings and on Saturday, with special reference to the needs of candidates for the degree of Bachelor of Education.

THE LIBRARY with its separate endowment, offering unusual opportunities for study and research.

THE ART DEPARTMENT with its separate endowment for the preservation and expansion of the art collection.

THE CLARK UNIVERSITY PRESS is associated with the university in the publication of scientific books and journals.

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\*Merged with the summer term in 1942.



DEPARTMENTS at present offering courses of study are:

Ancient Languages and Literatures  
Biology  
Chemistry  
Economics and Sociology  
English Language and Literature  
Fine Arts  
Geography  
Geology  
German Language and Literature  
History and International Relations  
Physics and Mathematics  
Psychology and Education  
Romance Languages and Literatures

Courses in business administration are offered under the supervision of the Division of Business Administration. Courses in music and in the cultural development of various peoples are offered in the Department of Fine Arts.

#### THE WAR-TIME PROGRAM

The university calendar (page 5) has been modified to meet war-time needs, and will remain as stated below until further notice.

Work will be carried on throughout three terms in each calendar year.

The "fall term," beginning about September 20, and ending late in January, and the "spring term," beginning late in January and ending about the middle of May, will enable an undergraduate to follow, as in the past, a program leading to a bachelor's degree in four calendar years. These two terms will constitute the standard "academic year" for graduate students.

The "summer term," beginning in May and continuing for twelve weeks, until the middle of August, has been introduced primarily to make it possible for an undergraduate to complete the college course in three calendar years or less.

The summer term will be an integral part of the college year for those who take advantage of it. The same courses will be offered by the same instructors as during the other two terms. The plan of work will, however, be different:—each course will meet for five sixty-minute periods weekly and two courses will constitute a normal program.

The summer term will be divided into two six-week sessions in each of which a large group of "half courses," each yielding credit equivalent to three semester hours, will be offered. The second session, beginning about July 4th, will provide the courses required by those who need to attend a six-week summer school.

## ADMISSION

Three classes of students are admitted:

1. Undergraduates. For requirements see announcement of the Undergraduate Division.

2. Graduate students. For requirements see announcement of the Graduate Division.

3. Special students. (a) Mature persons, not candidates for a degree, who wish to take advantage of the opportunities for study afforded by the university, and who give satisfactory evidence of adequate preparation for the work which they wish to undertake. (b) Candidates for the degree of Bachelor of Education.

Special students are under the supervision of the Committee on Extension Courses and Special Students: they are not classified as college students or as graduate students.

The university reserves the right to require the withdrawal at any time of any student whose record in either conduct or scholarship fails to meet the expectations implied by his admission.

Requests for information and for application forms should be addressed to CLARK UNIVERSITY, 950 MAIN STREET, WORCESTER, MASSACHUSETTS.

## MATRICULATION FEE

A matriculation fee, \$5, is required of all students who formally enroll in Clark University. This fee is paid but once, and permits a student to return in successive years, or after a period of absence, without further charge for matriculation.

Students who enter the university for the first time in either session of the summer term, pay the matriculation fee.

Persons who enroll as "auditors" are not required to matriculate.

Official statements of record are issued by the Recorder of the university for matriculated students only.

## TUITION

*Fall term and spring term.* Tuition for undergraduates with programs of not more than five courses is \$120 per semester (fall term or spring term). Undergraduates who enroll for more than five courses pay additional tuition at the rate of \$24 per course for each semester. Each undergraduate also pays an "activities fee" of \$10 per semester.

Tuition for graduate students with normal programs is \$120 per semester. Graduate students who enroll for less than a full program are charged at the rate of \$12 per term for each semester hour.

Tuition is due and payable at the beginning of each term. If tuition is not paid within ten days after it is due the enrollment of the stu-

dent lapses. A student whose enrollment has lapsed for non-payment of tuition may be re-enrolled, with the permission of the proper administrative officer, on payment of the overdue tuition with an additional fee of \$2.

*Summer term.* Tuition in the summer term, with a normal program, is \$48 for each session of six weeks. Tuition is charged at the rate of \$8 per semester hour for other programs. With a normal program an undergraduate student is expected to earn six semester hours of credit in each six-week session.

Tuition is due and payable at any time before 5 P.M. of Thursday, May 28, for the first session and Thursday, July 9, for the second session.

*Extension courses.* Tuition in extension courses ("courses of college grade for adults") is \$8 for a course meeting one hour per week for sixteen weeks, and \$15 for a course meeting two hours per week for sixteen weeks.

The following regulation was adopted by the trustees on March 28, 1931:

*"No refund of tuition and no release of obligation to pay tuition shall be made because of failure for any reason on the part of a student to complete the work of any semester after it is begun."*

During the national emergency the university has made a pro rata allowance for the unused portion of the tuition paid by any student who has left the university to join the armed forces of the United States or its allies.

#### LABORATORY FEES AND DEPOSITS

Laboratory fees, payable at the time of registration, are charged in undergraduate "laboratory courses" as follows:

\$5 for each half-course (three semester hours) in the fall term and in the spring term.

\$5 for each half-course (three semester hours) in each session of the summer term.

For courses yielding other amounts of credit the fees are adjusted on the above basis.

A "breakage deposit" is required in all undergraduate "laboratory courses" in chemistry. These deposits are collected by the Bursar according to the following schedule:

\$20, payable in September for any one of the courses in the following list: 110, 111, 215.

\$30, payable in September for any two of the above courses taken concurrently.

\$10, payable in September, for each year course, excepting those listed above.

\$5, payable at the time of registration, for each half course.



\$5, payable at the time of registration, for each "half-course" (three semester hours) of credit in the summer term.

For courses yielding other amounts of credit, the deposits are adjusted on the above basis.

The Bursar returns any unused balance and collects any charge for breakage in excess of the deposit, after the course is completed.

Graduate students taking undergraduate courses pay the same fees and deposits as undergraduates.

A deposit of \$25 is required of each graduate student in the department of chemistry, at the beginning of the year. Ordinary supplies and materials are charged to the student's account at cost. Any balance remaining is refunded at the end of the year.

#### DIPLOMA FEES AND PUBLICATION FEES

For a bachelor's degree, the diploma fee, \$5, is due at the beginning of the term in which the candidate expects to complete work in residence for the degree.

For a master's degree, the publication fee, \$10, and the diploma fee, \$10, are due when formal application for admission to candidacy for the degree is filed.

For the degree of Doctor of Philosophy, the publication fee, \$15, and the diploma fee, \$25, are due when formal application for admission to candidacy for the degree is filed.

#### MISCELLANEOUS FEES

Each freshman pays an "induction period fee" of \$2.00.

Graduate students who use the gymnasium pay a fee of \$5 each term.

A fee of \$10 per term, in addition to the regular tuition, is charged for the course "Practical Art" given at the Worcester Art Museum.

Graduate students in geography pay, in addition to the regular tuition, a "camp fee," a "workroom fee" and a "classroom-materials fee." For details see the announcement of the Graduate School of Geography.

#### DORMITORIES AND DINING HALL

The university has two dormitories: Estabrook Hall, primarily for freshman men, and Graduate Hall which houses a group of graduate students and members of the faculty.

Freshmen not living at home are required to room in Estabrook Hall. Rooms not required by freshmen may be rented by men of other classes in the college or by graduate students. The cost per student varies from \$110 to \$125, or more if an individual requests exclusive use of a room. Dormitory room rent is payable either in



advance, or in eight equal installments on the first day of October, November, December, January, February, March, April, and May.

Students living in Estabrook Hall pay a deposit of \$25 each year from which is deducted a charge for lights and for any damage to the room or its furnishings.

In Graduate Hall many of the quarters are assigned to scholars or fellows. Quarters not so assigned may be rented by members of the faculty or by graduate students.

Undergraduates who do not live in their own homes are required to board at the dining hall. Other students may secure meals there, either singly or by the week. Board is furnished at a reasonable rate which varies from year to year. During the current year the charge is \$8.50 per week. No reductions are granted for absences of students who are required to board at the dining hall, except in cases of protracted illness.

#### EXPENSES

A student in the college who lives at the dormitory and takes his meals at the dining hall will find that his necessary expenses for the college year (September to May) amount to about \$700, exclusive of such variable items as cost of travel, clothing and laundry, recreation, etc.

This expense is distributed as follows:

Matriculation (first year only)	\$ 5.00
Tuition	240.00
Room rent	110.00-125.00
Board (32 weeks at \$8.50)	270.00
Activities fee	20.00
Laboratory fees (estimated)	10.00
Books and supplies (estimated)	25.00
Total	\$680.00-700.00

During the summer term beginning in May and ending in August, rooms in Estabrook Hall are available for men students at a cost to each student of \$3 or \$3.50 per week. Women students, excepting those who are candidates for a bachelor's degree in Clark University, may secure rooms in Graduate Hall at rates corresponding to those in effect at Estabrook Hall.

The dining hall will be operated for the benefit of students attending the summer session if there is sufficient demand for this accommodation.

# The Library

EDITH M. BAKER, *Acting Librarian*  
HELEN J. ELLIOTT, *Cataloguer*

## *Assistants*

MARGARET A. FURTH

MARION HENDERSON

ALICE M. PRICE

## *Student Assistants*

JOHN B. AUGELLI

WILLIAM B. MARTIN

The library, under the terms of Mr. Clark's will, received one quarter of his estate for the "support and maintenance of a university library." Thus the library is well endowed and is able to provide amply for the needs of all departments. It contains over 170,000 bound volumes and pamphlets, and the reading room receives 612 journals.

A new stack room in the form of a tower has been added to the library, which should provide for fifty years' growth.

Particular attention is paid to the needs of students engaged in research work. The library already possesses a good collection of complete sets of the best scientific periodicals. It makes liberal purchases for individual needs and supplements these by drawing upon the resources of the older and larger libraries through the inter-library loan system. The number of books added each year is about 2,500.

The books in the art department are accessible on application to the Librarian, but by the terms of the founder's will they may not be taken from the building.

Tuesday morning of each week, all books recently added to the library are placed upon a table in the reference section, where they remain for one week. This affords the members of the university an opportunity to examine the new books in all departments before they are placed upon the shelves for circulation.

The library is open from 8 A.M. to 10 P.M. each week day (except on legal holidays), during the regular sessions of the university. During the summer term the library is open from 8 A.M. to 6 P.M.

In addition to the facilities provided by the university library, students may avail themselves of several other excellent libraries in the city. The Worcester Public Library contains some 417,000 volumes and makes accessible to the public 518 newspapers and magazines. The library of the American Antiquarian Society, housed in the national headquarters of the society in Worcester, contains about 255,000 volumes and some 400,000 pamphlets. The library of the Worcester District Medical Society is also at the disposal of members of the university.

## THE ART COLLECTION

LORING HOLMES DODD, *Curator of Art*

In his last will and testament the founder of the university bequeathed to it his collection of oil paintings and other works of art, together with the sum of \$100,000 as a permanent and separate endowment for the maintenance and enrichment of the "art department." Under these conditions a large room on the upper floor of the library building has been furnished and equipped with overhead lighting. In this room are displayed a selection from Mr. Clark's paintings and other works of art, his most valuable and finely bound books, and additional objects, especially portraits of persons of long and eminent service to the university. Special exhibitions are arranged from time to time.

# The Undergraduate Division

## "CLARK COLLEGE"

The college offers a general program leading to the degree of Bachelor of Arts, and a vocational program leading to the degree of Bachelor of Business Administration.

### THE NAVAL RESERVE AND THE COLLEGE

During 1941-42 the United States Navy Department authorized the enlistment of Clark College students in a program designated as V-1, under which the students remained at the college and continued their work for a bachelor's degree until assigned by the Navy Department to other courses of training. A majority of the men who enlisted under this program are still in the college during the second semester of 1942-43.

Enlistment under this plan is no longer possible.

### ADMISSION TO THE FRESHMAN CLASS

Inquiries regarding admission and requests for blank forms should be addressed to the Dean of the College, Clark University, Worcester, Mass. Application for admission should preferably be made by March 1. *No application received after August 1 can be promised consideration.*

An applicant for admission to the freshman class is required to furnish satisfactory "character references." He must also furnish his record in the preparatory school in which he is enrolled, or which he last attended. Records of any entrance examinations which he may have taken and of action by any other college in respect to his admission are also required.

The completion of a four-year high school course or its equivalent, including fifteen acceptable units of credit, is normally required for admission to the freshman class. The term "unit" is understood to mean approximately one-quarter of the pupil's normal program of work for the school year.

The "fifteen acceptable units of credit" must include:

Required subjects, 5 units.

English 3 units (4 years).

\*Mathematics, 2 units (algebra and geometry).

Restricted electives, 7 or more units chosen from:

Foreign language, 2, 3 or 4 units. (The college does not accept less than 2 units in any foreign language.)

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\*Applicants expecting to specialize in "science" are advised to present at least 3 units of mathematics.



Social sciences, 2 or 3 units (history, government, civics, economics, etc.)

Natural sciences, 2 or 3 units (physics, chemistry, biology, etc.)

Mathematics, 1 or 2 units (in addition to required units).

Free electives; not more than 3 units, at the discretion of the committee on admissions, in subjects recognized by the preparatory school in its regular program leading to graduation.

*Quality Requirements.* Applicants whose references are satisfactory and who are "certified" in fifteen acceptable units will be admitted without conditions.

Applicants who present fourteen "certified" units and one "pass" unit may be admitted with *one condition* (see below); applicants who present thirteen "certified" units and two "pass" units may be admitted with *two conditions*. No applicant with less than thirteen acceptable units of "certified" credit or its equivalent will be accepted without examination, unless his average grade places him in the highest quarter of the class with which he graduates from high school. Applicants who qualify under this provision may be admitted "with two conditions," at the discretion of the Dean of the college.

Certificates are accepted from schools in New England under the regulations of the New England College Entrance Certificate Board.

A certificate from a school which lies outside of the jurisdiction of the board may be accepted and will be interpreted in the spirit of the regulations of the board. It will be assumed that the school is willing to be judged in respect to continued certification privilege, on the basis of the college records of the candidates in subjects which are "certified."

*War-time Emergency Provisions.* The Faculty has voted as a war-emergency measure:

(a) That students who graduate from high school in January or June 1943 may be admitted to the college at the beginning of either the spring term or the summer term.

(b) That other high school students who consider themselves prepared to enter college in January, May, or September may be considered for admission to the college.

Each case will receive individual consideration. Only high-ranking students who have completed three and one-half years of high school study should apply.

*Entrance Examinations.* Applicants who cannot present the necessary number of "certified" units should arrange in consultation with the Dean of the college to take "College Board" examinations. The college will determine in each case what constitutes a satisfactory record in the examinations.

*Conditions.* Conditions may be in specified subjects, or may be

general, in the latter case indicating some deficiency in the candidate's preparation as a whole.

Applicants who are accepted "with conditions" have an opportunity to free themselves from these conditions before enrolling, by satisfactory records in "College Board" examinations.

Conditions are removed if, at the end of freshman year, the student has met the scholarship requirements for regular standing, namely, no failures and grades above D+ in three-fourths of the normal credit for the year.

*A last chance to remove conditions is offered by "College Board" examinations after the end of the freshman year and before the beginning of the sophomore year.*

Each condition not removed before the beginning of the sophomore year is replaced by an additional requirement for graduation amounting to one half course.

#### ADMISSION WITH ADVANCED STANDING

A student who wishes to enter the college after attending another institution of college grade is required to submit a letter of honorable dismissal, a complete transcript of his record at the institution last attended and such other information as the Committee on Admissions may request. If he is admitted he will be provisionally classified as a freshman, sophomore, junior, or senior and will be permitted to register for a program corresponding to this classification. He will not be given a final class rating until he has been in residence for at least one term.

After a term in residence he will be given conditional credit for the work done elsewhere to an amount determined by vote of the College Board, on the recommendation of the Recorder and the departments concerned.

The bachelor's degree will not be conferred upon a student until he has spent at least a year in residence at Clark University, and usually not unless the period of residence includes the two semesters immediately preceding the granting of the degree.

#### THE WAR EMERGENCY SUMMER TERM

One result of our national emergency has been the attempt of institutions of higher education to speed up their undergraduate program in order that their students may make the maximum possible progress toward completing the requirements for a degree before responding to the call of their country.

In accordance with that need the 1943 summer term for undergraduates will be on a twelve-week basis, from May 24 to August 13.

A student's normal program will consist of two courses; each course will yield three semester hours' credit. Any subject carried

for the twelve-week period will yield credit for one "course", i.e. the equivalent of a subject carried three times a week throughout the regular academic year. Each class meeting will total 60 minutes, and each course will meet five times weekly.

Any high school senior who can attend this session will be permitted to do so, even though he has not completed his high school course, provided that he is meeting the requirements for admission to the college up to the time when the term begins.

By taking advantage of such "accelerated programs" students can normally graduate from the college in three years and exceptionally in two years and eight months from the time of entrance.

#### FACULTY ADVISERS

When a student is admitted to the college he is assigned to a member of the faculty who will act as his adviser. The adviser will assist the student in making up his program of studies for registration and will be ready at all times to afford him help and counsel, either in regard to problems of college life or other matters.

#### FRESHMAN INDUCTION PERIOD

The freshman class of the men's college assembles at the college on Friday before the opening of the academic year and spends the period from Friday to Sunday at a near-by camp. There they have opportunity to become acquainted and to complete various important preliminaries before the beginning of class work. The group returns to Worcester on Sunday morning in time for church services.

#### REGISTRATION

Registration of a program of studies for each term of the college year takes place at or before the beginning of the term. Due notice of registration periods is given. Failure to register before the end of the periods designated involves a charge of \$1 for each day's delay up to a maximum of \$5.

Changes in registration may be made, on forms supplied by the Recorder, within a reasonable time after the beginning of any term. After the end of this period no changes may be made unless they are authorized by vote of the College Board. Under some circumstances there is a charge of \$1 for each change from one course to another.

Freshmen may register for programs of either five or six courses in the first term. In subsequent terms programs of six courses are restricted to students whose average grade in all courses for the preceding term has been C+ or better, except in the case of seniors. A senior whose graduation depends upon the completion of a pro-



gram of six courses may register for such a program if his average grade for the preceding term has been C— or better.

The designation of a *major subject* is required as part of registration at the beginning of a student's second year in college. This election when once recorded may be changed only with the approval of the Dean. Although the *major subject* is not officially recorded until the student's second year in college, he should plan his program from the beginning with his probable choice in mind.

#### STUDENT PROGRAMS

The curriculum permits considerable freedom of adjustment to individual differences of interest. Each student's program of studies includes a group of courses constituting a *major*, also courses in English, in foreign language, and in fine arts or music, and other courses chosen under regulations intended to insure a reasonable distribution of work among the various departments. A large part of each program is made up of courses chosen without restriction.

For statements regarding courses which may be combined to form a *major*, the announcements of the different departments should be consulted.

A regular student normally carries a program of five courses in addition to required work in physical training, from September to June. In general it is expected that a course meeting three times weekly will require two hours of preparation for each lecture or recitation. Laboratory periods are usually three hours in length.

A student carrying the regular program should expect his college work to require from forty-five to fifty hours of his time per week, in addition to the work in physical training.

A candidate for the bachelor's degree in less than the normal period of time will generally carry a program of six courses and should expect to spend his entire time on college work.

Subjects in which instruction is offered are grouped in four divisions:

DIVISION A. Biology, botany, chemistry, experimental psychology, geology, mathematics, meteorology, physics, physiology.

DIVISION B. Economics, education, geography, history, international relations, psychology, sociology.

DIVISION C. Ancient languages, English, German, romance languages.

DIVISION D. Fine arts.

A first-year student must make up his program entirely from courses designated as "Open to Freshmen."



A candidate for the degree of Bachelor of Arts must include the following courses in his program for the freshman year:

1. English 11.
2. A course in foreign language.
3. A course in division A.
4. A course in division B.
5. An elective. (Mathematics 10 or 11 for students intending to major in division A.)

A candidate for the degree of Bachelor of Business Administration will follow the program outlined under the announcement of the Division of Business Administration.

A second-year student should complete as many as possible of his remaining requirements.

*Any first-year requirements which have not been completed must be included in the program of courses for the second year.*

Undergraduates, other than freshmen, may enter any course listed "primarily for undergraduates," for which, in the judgment of the instructor in charge, they are prepared. Seniors and juniors who have completed the published prerequisites are admitted, at the discretion of the instructor in charge, to courses listed "for advanced undergraduates and graduate students." Undergraduates are not admitted to courses "primarily for graduate students" except in rare cases, and then only by special vote of the College Board and the approval of the secretary of the Graduate Board.

Regular physical exercise is required of all students for the general promotion of their health and mental efficiency. This is scheduled at times which avoid conflict with recitation hours. *Students are usually excused from this requirement only on the recommendation of the college physician.*

#### REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

All college regulations involving a quantitative statement of "credit" are expressed in terms of "courses."

A "course" as a unit of credit normally implies three or four class meetings or laboratory exercises per week throughout the academic year (throughout the fall term and the spring term, while the war-time program is in effect) i.e. one-fifth of a student's normal program. Where departments offer fractional courses, these will be combined in reckoning a student's total credit in courses.

A student in good standing in the college will be recommended for the degree of Bachelor of Arts whenever he completes all of the following requirements, unless in the judgment of the College Board there is cause for withholding this recommendation.

1. *Residence.* Not less than three academic years of college study

in residence. At least one full year and usually the last year before the degree is conferred must be spent at Clark University.

2. *Course requirements.* Twenty "courses," in addition to required work in physical training, with satisfactory scholarship record.
  - \*Beginning with the class graduating in 1944 (with a non-accelerated program), the requirement for graduation will be eighteen courses, in addition to a "senior survey", and the passing of a comprehensive examination in the major subject.
3. *Physical training.* Three years of physical training, two hours per week. (Three times a week throughout the entire college course, during the present national emergency.)
4. *A major,* i.e. seven courses, approved by the student's major department. Four or five of these courses must be in the major department, the remaining two or three must be in subjects related to the major subject.

Under the revised regulations applying to the class of 1944 and subsequent classes, the "senior survey" will be counted as a course "in the major department," in connection with this requirement.

Mathematics is a requirement in the freshman year for a student who intends to major in division A. This course may be included in the seven courses constituting the *major*.

Elementary Greek or Latin is a requirement in the freshman year for a student who intends to major in division C, unless at least two units of one of these languages have been accepted for admission. This course may be included in the seven courses constituting the *major*.

5. *English.* (a) English 11, or its equivalent; a requirement in the freshman year for all candidates for the degree of Bachelor of Arts.
  - (b) An additional half course in English literature, composition or public speaking.
  - (c) Satisfactory proficiency in the use of English, certified by a faculty committee appointed for this purpose.
6. *Fine Arts or Music.* A half course chosen from the following list: Fine Arts 1, 10 or 11; Music 12; French 113; German 14 or 141; Greek 17.
7. *Foreign language.* (a) One course in foreign language, required in the freshman year for all students.
  - (b) One course in a foreign language at or beyond the level of third-year college courses in that language. This requirement may be met by the course required in the freshman year.

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\*By vote of the faculty (April 5, 1943) the revised requirements for graduation will not go into effect until the end of the war emergency.

Until that time the requirements will be twenty courses except in the case of "accelerating students," who will be graduated upon the completion of nineteen courses.

8. *Division A.* Two courses, one of which must be a "laboratory course"; or one "laboratory course" and two half courses.

This requirement is reduced to one "laboratory course" in the case of students whose admission record includes credit for four units in science (not including mathematics).

Courses in the history of the sciences are not counted toward the fulfilment of this requirement.

9. *Division B.* Two courses, or the equivalent in half courses.

#### GRADING AND SCHOLARSHIP

At the end of each term a final grade—in terms of A, excellent; B, good; C, average; D, poor; F, failure—is reported for each course. The modifying symbols plus (+) and minus (—) are used to indicate variations within each general classification. A report of "incomplete" is permitted only when severe sickness or some equally unavoidable circumstance prevents the completion of a course. Failures may not be "made up," except by repeating the course.

Courses with grades of D+, D or D— may be counted toward a bachelor's degree only up to a maximum of one-quarter of the total credit required; i.e., not more than five (5) such courses, or their equivalent in fractional courses, may be counted. If grades are not given in some of the twenty courses required for the degree, the maximum credit which may be counted with grades of D+, D or D— is reduced to one-quarter of the total credit from courses in which grades are given.

#### CLASSIFICATION OF STUDENTS

Students are classified as freshmen, sophomores, juniors and seniors on the basis of the amount of credit toward the bachelor's degree shown by their records at the beginning of each academic year. It is to be noted that this classification involves the question of quality as indicated in the preceding section. Neither length of residence nor number of courses completed will change a student's classification unless the required quality of work has been done.

A student who, at the beginning of any academic year, has credit of less than two and one-half courses is classified as a *freshman* for that year.

A student who, at the beginning of any academic year, has credit of two and one-half courses or more, but less than eight courses is classified as a *sophomore* for that year.

A student who, at the beginning of any academic year, has credit of eight courses or more but less than fourteen courses is classified as a *junior* for that year.

A student who, at the beginning of any academic year, has credit of fourteen courses or more is classified as a *senior* for that year.



A student who has announced his intention of becoming a candidate for the degree of Bachelor of Arts in less than four years and who, at the beginning of his third year has completed not less than two-thirds of the twenty courses required for graduation is classified as a *senior* for that year.

Any student who, at the beginning of any term, is clearly in a position to complete the requirements for the degree before the beginning of the next term is classified as a *senior*.

#### GENERAL HONORS

*First honors* and *second honors* are awarded annually to members of each class who have, in the judgment of the College Board, distinguished themselves by their scholarship during the year.

The bachelor's degree is awarded *with honor*, *with high honor*, and *with highest honor* to members of each graduating class whose records, in the judgment of the College Board, warrant this distinction.

#### DEPARTMENTAL HONORS

An "honors program," leading to the degree of Bachelor of Arts *with honors in a particular department*, may be undertaken by a member of the junior class if his cumulative scholarship average places him among the highest third of his class. This plan permits an able student in coöperation with his "honors' adviser", to organize the work of his junior and senior years into a unified program which may include a certain number of "honors courses." In these he works with a considerable measure of independence under the supervision of "honors adviser". A maximum of two "honors courses" may be included in the program of any candidate for departmental honors.

Application for honors work should be made, in writing, to the major department not later than the first day of May of the sophomore year. The application, if favorably endorsed by the department, comes before the College Board for final action. The College Board may, at its discretion, consider applications for admission to candidacy for departmental honors as late as the end of the first semester of a student's junior year.

A candidate for departmental honors will receive the degree of Bachelor of Arts *with honors in his major subject* if he completes the general requirements of the college, and in addition thereto:

(a) Maintains a scholarship standing such that his current average (not cumulative) for each semester places him in the upper half of his class.

(b) Completes satisfactorily a program of studies which has been approved by the committee in charge of departmental honors.



(c) Passes with distinction a comprehensive examination in his major subject, requiring not less than two nor more than three regular three-hour examination periods or their equivalent. At least three hours of this total must be devoted to a written examination. The comprehensive examination, with the possible exception of laboratory tests, is given near the end of the candidate's last term in residence.

(d) Is recommended for departmental honors by his major department and by the College Board.

Admission to candidacy for departmental honors does not relieve a student from any of the standing regulations of the college except as specifically stated above. If a student's candidacy for honors is terminated for any reason, the amount of credit, if any, to be allowed for special "honors courses" will be determined by the College Board in consultation with the major department.

#### SCHOLARSHIP SOCIETY

The Clark Scholarship Society was organized in 1914. Its object is, "to maintain a high and broad conception of scholarship; to encourage devotion to scholarship, so conceived; to promote a close relation for mutual benefit between the undergraduate members and the faculty members of the society." Membership in the society is open to members of the faculty. Student members are elected at the end of the junior year from the men of high standing in the junior class. Nominations are made by the College Board and the undergraduate members of the society elect from the men so nominated. Additional nominations are made at the middle and end of the senior year.

#### ABSENCES

Regulations applying to absences from scheduled class meetings and laboratory exercises are based upon the conviction that such absences, regardless of their cause, involve a loss to the student and a drag upon the class. Students are, accordingly, expected to be consistently regular in attendance. Subject to this general provision, students are given a considerable degree of freedom in the control of their attendance. It is expected that such freedom will not be abused, and that it will contribute to the growth of each student's sense of responsibility.

Detailed regulations in harmony with the foregoing principles are posted on the official bulletin board for the guidance of students. They are also published in the Students' Handbook, issued annually. Students are expected to familiarize themselves with these regulations.

Seniors are exempt from regulations providing a penalty for ab-

sences from class or laboratory exercises. They are, however, responsible for all of the general requirements of any course, including tests and examinations at times set by the instructors in charge.

Sophomores and juniors who attain an average of B— or better in any term have, for the following term, the same privileges and responsibilities as seniors, in respect to attendance and class work.

No students are exempted from regulations relating to attendance at the weekly assembly or physical training.

#### EXTRA-CURRICULAR ACTIVITIES AND STUDENT LIFE

Student life at Clark is, as would be expected at a small institution, friendly and informal. Fixed rules and regulations are few, the assumption being that students will conform to the recognized standards of morality, good order, and gentlemanly conduct. College activities are, however, under sufficient faculty oversight to insure responsibility in business dealings and consideration of the welfare of the individual student and of the college community.

*The Activities Fee.* Athletics and several non-athletic activities are partially supported by the "activities fee." This fee admits a student, without additional charge, to all athletic contests held on the college grounds, provides him with the college newspaper and admits him to plays and concerts presented by the dramatic and musical clubs.

*Activities.* Clark students have opportunity to participate in intercollegiate soccer, baseball, tennis, and basketball. In recent years the college teams have been particularly successful in basketball. A competent coach has immediate supervision over the athletic teams. General supervision of the athletics program is vested in the Athletics Board, consisting of the Director of physical training, the faculty Committee on Athletics, two alumni, and nine students. The Committee on Athletics has authority to revise or to veto decisions of the Athletics Board.

In addition to intercollegiate athletics, a steadily increasing intramural program gives opportunity for widespread participation in games and contests of various sorts.

Opportunities for recreation, outside of athletics, are found in dramatic clubs and musical clubs, under expert direction; in editing and publishing the college newspaper (*The Scarlet*) and the senior yearbook (*The Pasticcio*); also in such organizations as the Debating Club and International Relations Club. Gryphon, the senior honorary society, plays an important part in campus life. Non-athletic activities are under the jurisdiction of the Student-Faculty Council.

Weekly teas at the Alumni Gymnasium give opportunity for informal social contacts with members of the faculty and their wives and with fellow-students. Formal "proms," informal "Bohemes" and fraternity activities furnish further opportunities for social life. For

many students, the most prized opportunity for social contacts is in the offices and laboratories, where members of the faculty may be visited with ease and freedom. The small size of Clark College encourages an intimacy which would be much more difficult to obtain in a large institution.

*Eligibility.* Participation in organized extra-curricular activities is denied only when a student's scholastic record indicates that continuance in an activity might be responsible for scholastic failure. A student is "eligible" if at the end of any half term he has (a) "passed" in all courses and been graded at least C— in one of them, or, (b) "passed" in all but one course and been graded at least C— in two of them.

A student who does not meet the above requirements is ineligible to participate in organized extra-curricular activities. Also ineligible, is any student carrying less than a full program of studies unless his program permits graduation at the end of the term in which the reduced program is carried.

A special student is *not a college student* and is therefore ineligible. The College Board may, however, confer eligibility upon a special student who is enrolled for a full program (five courses).

Students admitted with advanced standing from another college are ineligible during the first half term of residence at Clark College.

Ineligibility becomes effective the eleventh day after the beginning of a half term and continues through the tenth day of the succeeding half term.

#### SCHOLARSHIPS

Applications for undergraduate scholarships should be filed at an early date on forms which may be secured at the college office.

Fewer than the full number of scholarships may be awarded in any year if for any reason this seems advisable.

THE JONAS G. CLARK SCHOLARSHIPS, established by the trustees, provide scholarships of the value of one hundred dollars each to fifty undergraduate men. Twenty of these are for students in the freshman class, eight of them being for graduates of the high schools of Worcester. To be eligible for one of these scholarships, an applicant must have ranked in the highest quarter of the class in which he graduated from preparatory school. Of the remaining thirty scholarships, ten are reserved for each of the three upper classes. Students who rank in the upper quarter of each class are eligible for these scholarships.

Since these grants are for the encouragement of high grade scholarship, they are subject to the following conditions: (1) one-half the value of a scholarship is deducted from the term bill of the holder for the term beginning in September and the other half at the begin-



ning of the following term; (2) a scholarship is automatically forfeited for the second term if the holder fails to maintain rank in the upper half of his class during the first term.

THE THEODORE T. and MARY G. ELLIS FUND provides scholarships covering tuition or, in some cases, half tuition for male residents of Worcester who are students in "the collegiate department of Clark University."

THE SANFORD MEMORIAL SCHOLARSHIP FUND, established by alumni of the university, provides an annual scholarship, amounting at present to \$200, for a male undergraduate.

THE LIVERMORE AND AMBULANCE SCHOLARSHIP was endowed by citizens of Worcester in honor of Charles Randall Livermore, the first Clark man to fall in battle in the World War, and of his companions in the Clark Unit of Ambulance Drivers. Fifty dollars or more is awarded annually, on the basis of academic success, character, and usefulness to the college. This scholarship is for male students who are residents of Worcester County.

THE HENRY A. WILLIS FUND provides scholarships for male students from Fitchburg, Massachusetts, and vicinity. In the absence of suitable candidates from this community grants may be made to others.

THE CHARLES B. RANDOLPH SCHOLARSHIP FUND, established by the late Professor Randolph provides about \$250 annually which is available for scholarships for male college students whose "major" is a foreign language.

THE GORDON A. HUBLEY SCHOLARSHIP FUND of approximately \$25,000 was bequeathed by Alice B. Hubley in memory of her son, a graduate of the college in the class of 1910. The income is to be used for the assistance of male undergraduates who are residents of Worcester.

THE B'NAI BRITH SCHOLARSHIP, provided by the Worcester chapter, Order of B'nai Brith, is primarily but not exclusively for the aid of Jewish students.

THE PROBUS CLUB OF WORCESTER offers a scholarship of one hundred dollars.

THE HARRY G. FAGER SCHOLARSHIP of the Odin Club is awarded annually to some young man of superior scholarship and personality with limited means, and of Scandinavian blood, from Worcester or vicinity. This scholarship, \$200, is awarded every second year to a student at Clark University.



THE CLARK UNIVERSITY FACULTY WOMEN'S CLUB offers scholarships to students who rank high in intellectual and personal qualities. The club is assisted by alumnae and wives of alumni.

THE CLARK UNIVERSITY ALUMNAE ASSOCIATION has, for several years, offered a scholarship of one hundred dollars to an undergraduate.

Aid given in the form of scholarships is not regarded as a loan. It is recognized, however, that those who receive such aid may wish to return the amount in later years. Any sums received from this source will be added to the Alumni Loan Fund of the College.

#### LOAN FUNDS

Loans are covered by endorsed notes payable at a fixed date and bear interest at the rate of 4 per cent per year. Interest received from loans is in all cases added to the fund from which the loan was made.

THE ALUMNI LOAN FUND is a permanent revolving fund established by the trustees and the alumni. To this has been added a fund of about \$500 contributed by L. Kelly Foster, C. B. L. Kelley, Isador Lubin, H. M. Smith, and others.

THE ESTABROOK LOAN FUND was created by the generosity of the late Arthur F. Estabrook of the Board of Trustees.

THE HASKELL TALAMO LOAN FUND has been established by relatives and friends of the late Doctor Haskell Talamo, A.B., Clark University, 1916.

THE LOUIS N. WILSON FUND. Income from this fund is used as a revolving loan fund for male students in the college.

Loans from the funds described above are made to undergraduates by the Dean of the college in coöperation with the Alumni Committee on Loans.

THE SARAH M. THURBER LOAN FUND was established by the late Dr. Charles H. Thurber, former president of the Board of Trustees, as a memorial to his mother. The fund is administered by the President of the university.

#### VOCATIONAL COUNSELING AND PLACEMENT SERVICE

The Personnel Bureau has been established in order that services relating to vocational problems of students might be centered under the direction of one member of the faculty who would advise students in regard to employment and inform them of available openings. Its function is to assemble material (by means of tests, faculty

ratings, academic grades, extra-curricular records, and employers' recommendations) of value in diagnosing students' vocational abilities and in guiding their future development. It also coöperates with the Dean, faculty advisers, and students in the study and solution of students' educational problems. It registers and interviews seniors interested in finding full-time employment after graduation, counsels recent graduates concerning their vocational adjustments, maintains contact with employers in an effort to place graduates in suitable positions, and studies problems pertaining to the vocational adjustment of Clark students. In this work the director of the bureau coöperates with other members of the faculty and with alumni.

## Undergraduate Division of Business Administration

WALLACE W. ATWOOD, President of the University.

HOMER P. LITTLE, Dean of the College.

SAMUEL J. BRANDENBURG, Professor of Economics and Sociology.

ARTHUR F. LUCAS, Professor of Economics and Business Administration.

ROBERT S. ILLINGWORTH, Professor of Dramatic Art.

F. EUGENE MELDER, Associate Professor of Economics and Business Administration.

GEORGE E. HARGEST, Assistant Professor of Business Administration.

ROBERT P. FISCHER, Assistant Professor of Psychology.

EDWIN C. ROZWENC, Assistant Professor of History.

PAUL F. MARBLE, Instructor in English.

### ADMINISTRATIVE COMMITTEE

SAMUEL J. BRANDENBURG, *Chairman*

HOMER P. LITTLE

ARTHUR F. LUCAS

GEORGE E. HARGEST

ROBERT P. FISCHER

### PURPOSE OF THE DIVISION

The Division of Business Administration is an integral part of the undergraduate college of Clark University. The curriculum of the division is avowedly vocational in its purpose; but the students are held to the same standards of achievement, are subject to the same regulations, and enjoy the same privileges as other members of the undergraduate body.

The division offers a four-year undergraduate course of study covering the basic general principles of business, as well as the principles and techniques of special phases of business. A student who completes the course should be able to perfect his skill in his special job more quickly, to adapt himself to general business requirements more readily, and to relate his job to the entirety of modern economic enterprise more intelligently than one who lacks this training.

## POSSIBLE WAR-TIME ADJUSTMENTS

Disturbed world conditions and uncertainty as to the future may deter some capable students from entering upon a four-year curriculum leading to a degree even in the shorter period (two years and eight months) required by the "accelerated" war-time program. At the same time government and war industries are urgent in their demands for speedy training of young persons for varied types of service.

Students whose time is limited may therefore select courses of immediate practical value, without present regard to degree requirements; should such students later return and become candidates for the degree, work already completed can be adjusted to the degree requirements without serious loss.

Members of the faculty may also be affected by war-time emergencies; hence the division cannot guarantee that all courses will be offered as announced. The division is confident however, that despite uncertainties, it can sustain an adequate program of work.

## ADMISSION

Applicants for admission to the freshman class in the Division of Business Administration are accepted on the same basis as other applicants for admission to the college, except that the secondary school units presented for admission may be distributed as follows:

<i>Required subjects</i> .....	8 units	<i>Elective subjects</i> .....	7 units
English .....	3 units	(of which as many as 3 units may	
Mathematics (algebra) .	1 unit	be in commercial subjects)	
Foreign language .....	2 units	Total .....	15 units
Social studies .....	2 units		

As a war-time emergency measure high-ranking students who have completed three and one half years of high school study may be admitted to the college. Each application under this provision is given careful individual consideration.

## THE DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION

The division recognizes that there are fundamental principles and methods common to all business enterprises; hence certain basic courses in accounting, business law, economics, English, statistics, etc. are required. As the student advances, greater freedom of election in line with his individual interests and ambitions is permitted. In addition to the courses in business administration, a limited number of other courses offered in the college are open for election by qualified students, subject to approval by the divisional committee.



The following courses are required of all candidates for the degree of Bachelor of Business Administration.

B.A. 10. Industrial and Business History	B.A. 117. Principles of Accounting
B.A. 11. Fundamentals of Business and Accounting	B.A. 18. Business Organization and Finance
B.A. 12. Business Mathematics	B.A. 20. Business Law
B.A. 14. Business English	Econ. 11. Principles of Economics
B.A. 16. Business Statistics	Eng. 11. English Composition
	Eng. 12. Public Speaking

*The first and second years.* Each year's program consists of four required courses and one elective, in addition to physical training, as indicated below; the elective may be any additional courses in business administration for which the student is prepared, or may be chosen from other departments, subject to approval of the division.

The typical freshman program will be:

First Semester	Second Semester
Eng. 11a. Composition	Eng. 14b. Business English
B.A. 10. Industrial and Business History	B.A. 10. Industrial and Business History
B.A. 11. Fundamentals of Business	B.A. 11. Fundamentals of Business
B.A. 117. Principles of Accounting	B.A. 117. Principles of Accounting
Elective and Physical Training	Elective and Physical Training

The typical sophomore program will be:

First Semester	Second Semester
Econ. 11. Principles of Economics	Econ. 11. Principles of Economics
B.A. 127. Intermediate Accounting	B.A. 127. Intermediate Accounting
B.A. 16. Business Statistics	B.A. 16. Business Statistics
B.A. 12. Business Mathematics	B.A. 12. Business Mathematics
Elective and Physical Training	Elective and Physical Training

*The last two years.* Before entering upon the work of his junior and senior years a candidate for the degree in business administration must, with the assistance of his faculty adviser, work out a complete program for the remaining two years of study. This program will normally include one or more electives in each year and must include any required courses not yet completed. It must also provide for adequate concentration in one or more "fields of concentration," according to the student's interest.

Some of the fields of concentration are:

Accounting	Marketing and advertising
Finance and banking	Personnel work
General business	

The typical program for the student who chooses "accounting" as his field of concentration will be:

## JUNIOR YEAR

B.A. 207a. Cost Accounting	B.A. 217b. Fiduciary Accounting
B.A. 18. Business Organization and Finance	B.A. 18. Business Organization and Finance
B.A. 20. Business Law	B.A. 20. Business Law
Econ. 13. Money and Banking	Econ. 13. Money and Banking
Elective and Physical Training	Elective and Physical Training

## SENIOR YEAR

B.A. 227a. Auditing	B.A. 227. Auditing
B.A. 24a. Marketing	Econ. 240b. Consumer Economics
Econ. 26. Government and Industry	Econ. 26. Government and Industry
Electives and Physical Training	Electives and Physical Training

## COURSES PRIMARILY FOR UNDERGRADUATES

**10. Industrial and Business History.** A survey of the development of major groups of economic enterprises: the extractive industries, manufacturing, transportation, and commerce, with consistent emphasis on the modern period.

Required course for freshmen or sophomores.

Through the year. M. W. F., 9.

MR. BRANDENBURG

**11. Fundamentals of Business and Accounting.** The first semester introduces the internal problems of a business enterprise; field trips provide an opportunity to observe how the business concerns of the community meet these problems. The second semester acquaints the student with the basic operations in the accounting cycle, and continues the study of business problems begun in the first semester.

Open to freshmen.

Through the year. Tu. Th. S., 12.

MR. MELDER

**12. Business Mathematics.** An elementary course designed to give the necessary foundation for an understanding of the mathematics involved in business transactions.

Open to freshmen.

Through the year. M. W. F., 11.

MR. HARGEST

**14b. (English 14b.) Business English.**

Open to freshmen.

Half course, second semester. Tu. Th. S., 10.

MR. MARBLE

**16. Business Statistics, Business Charts, Graphs and Reports.** Methods of analyzing and presenting statistical data with special reference to business and economic problems. Applications of statistical methods to quantitative business and economic material, with practice in presentation of such data in tabular and graphic forms.

Indivisible course.

Through the year. M. W. F., 10.

MR. HARGEST

**117. Principles of Accounting.** The organization and use of financial records, with emphasis on their interpretation as well as on the technique of procedure.

Indivisible course.

Through the year. Tu. Th., 10; Th., 2.

MR. HARGEST

**127. Intermediate Accounting.** A study of the difficulties encountered in actual accounting practice, and the theoretical considerations that govern in distinguishing sound from unsound policies in the determination of valuations, reserves, classifications of profit-and-loss items, and allocation as between accounting periods, etc.

Indivisible course.

Through the year. Tu. Th. S., 10.

MR. HARGEST

**18. Business Organization and Finance.** A unified year course in the financial structure of modern industry. Emphasis is placed on the nature of the business corporation, its financial practices, and the problems of internal financial control.

Through the year. Tu. Th. S., 11.

MR. LUCAS

#### COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATE STUDENTS

**207. Advanced Accounting.**

Three hours, through the year. Tu. Th. S., 9.

MR. HARGEST

**207a. Cost Accounting.** A study of cost-finding systems, with special reference to basic principles in accounting for materials, labor and burden. Emphasis is placed upon the use of forms and special books and the preparation of appropriate statements.

Half course, first semester.

MR. HARGEST

New course, to be offered in 1943-44.

**20. Business Law.** The principles of law, as applied by the courts, in settling disputes which arise out of business transactions. Cases centering about the law of contracts, property, sales, negotiable instruments, agency and other divisions of commercial law are studied.

Through the year.

MR. MELDER

Omitted, 1942-43. Offered in alternate years.

**21b. Business Cycles.** An analysis of the business cycle, a study and comparison of various causation theories and of proposals for its possible control.

Half course, second semester.

Omitted, 1942-43.

**24a. Marketing.** An introduction to the economics of marketing. Special attention is given to the marketing process as a whole, to specific methods and practices of important markets such as those for agricultural and manufactured products. The course concludes with a summary study of marketing problems and of methods practiced or proposed for their solution.

Half course, first semester. Tu. Th. S., 11

MR. MELDER

**217b. Fiduciary Accounting.** A comprehensive study of the laws and accounting procedures applicable to wills and the administration of estates and trust funds.

Half course, second semester.

MR. HARGEST

New course, to be offered in 1943-44.

**227. Auditing.** After a careful analysis of the purpose and scope of the several classes of audits, the course deals with (1) methods of handling engagements, (2) audit procedure, (3) detection of errors and fraud, (4) study analysis and preparation of certificates and reports.

Omitted, 1942-43.

**237. Advanced Accounting.** A careful study of organization and liquidation procedures for the several forms of business organizations, involving a thorough analysis of the problems and the methods of attack. Consolidation, branch and foreign trade accounting are also considered.

Omitted, 1942-43.

#### RECOMMENDED COURSES IN SUBJECTS OTHER THAN BUSINESS ADMINISTRATION

These courses are described in the announcements of the respective departments.

**Economics:** Any undergraduate course offered by the Department of Economics and Sociology excepting Economics 10, 210a and Sociology 27a.

**English 11b. English Composition.**

**English 12a. Public Speaking.**

**Geography 26. Economic Geography.**

**History 12b. American Government.**

**Psychology 215b. Industrial and Military Morale.**

**Psychology 203a. Psychology Applied to Business and Industry.**



## The Women's College of Clark University

By action of the Board of Trustees, the Women's College of Clark University was established in the fall of 1942, for the benefit of young women who wish to live at home and attend a liberal arts college in Worcester.

All courses of instruction available for men are open to women. The requirements for admission and for a bachelor of arts degree are identical with those for men, and the same tuition and fees are charged. (See earlier section of this catalogue, where requirements and fees are dealt with in detail.)

There are at present no dormitories for women, and the Women's College assumes no responsibility for residence facilities. It is expected that women students in the college will live in their own homes. If other arrangements are made it is required that written permission of a parent or guardian be sent to the Dean's office.

Suitable provision has been made for the comfort and convenience of women students while on the campus. A large room on the first floor of Jonas G. Clark Hall, attractively decorated and comfortably furnished, is used by the women as a lounge and study-room and as a center for their activities. They also have a convenient locker room, where personal possessions may be left when not in use.

A personnel director is available for consultation by women students, and a small group of faculty wives help them with arrangements for social affairs. The Women's College has an Advisory Board composed of representative Worcester women who are interested in the educational program, and who advise the administration on matters of general policy.

### ATHLETICS

Women students have the use of the university gymnasium two afternoons a week, in a program directed by an instructor in physical education. All students are examined at the beginning of the year by a woman physician, who lives in the neighborhood and is readily available when needed.

Several types of athletics are open to women. In the fall hockey and tennis are played outdoors. Tennis tournaments are held both spring and fall and a cup is awarded to the winner. During the winter months basketball is coached, in the gymnasium, by a professional director of women's athletics. The Women's College team has competed successfully with outside groups.

There is also a physical fitness program, designed to improve posture and general health. Swimming and life saving courses are available through arrangements with the Young Women's Christian Association. In the spring archery, as well as tennis, is popular.

Students receive free tickets to all athletic events.

## STUDENT ACTIVITIES

The Women's College has its own student government and class officers who direct student activities. A social committee plans parties and group meetings. There is a small but interested group which has formed an Inter-Faith group and holds regular meetings.

Women students may join many of the organizations of the men's college. They serve on *The Scarlet*—the college newspaper, *The Pasticcio*—the college yearbook, and are eligible for membership in the debating society and glee club. A small mixed group of madrigal singers meets regularly. The women students participate in the dramatic productions, both in acting and assisting with stage settings and costumes. The girls are represented on the "Boheme Committee" which plans the college dances, and on the Student Activity Fund Committee. As the Women's College grows new student organizations will be formed as the need arises.

## ADMISSION AND SCHOLARSHIPS

As stated above, requirements for admission are outlined in detail in an earlier section of this catalogue. In addition to admissions to the freshmen class, admission to the upper classes by transfer from other colleges is possible in a limited number of cases.

A number of scholarships have already been established in the Women's College and it is expected that others will be announced in the near future.

The Clark University Women's Club and the Clark University Alumnae Association each offer two scholarships. The Swedish National Federation has a scholarship awarded annually to a deserving student of Scandinavian stock from Worcester or vicinity. The Soroptimists Club of Worcester has provided a scholarship for a woman student. Other special awards have been made possible by friends of the college.

Correspondence regarding admission and requests for application blanks should be addressed to:

THE WOMEN'S COLLEGE, CLARK UNIVERSITY, WORCESTER, MASS.  
Applications for scholarships should be addressed to the Dean of the college.

## The Graduate Division

Admission to the graduate division is open to properly qualified persons, both men and women.

Instruction and opportunities for study leading to the degrees of Master of Arts and Doctor of Philosophy are offered by the following departments:

- Biology
- Chemistry
- Economics and Sociology
- Geography
- History and International Relations
- Psychology

The Division of International Affairs offers work in that field leading to the degrees of Master of Arts and Doctor of Philosophy.

The Division of Education, in the Department of Psychology and Education, offers training leading to the degree of Master of Arts in Education.

Other departments offer courses of an advanced nature which, with the consent of the Graduate Board, may be included in the programs of graduate students, but they are not prepared at present to offer complete programs leading to the higher degrees.

### ADMISSION TO THE GRADUATE SCHOOL

*Eligibility.* Admission is granted only by the Graduate Board on recommendation of a department. A graduate of more than average ability from a college or university which was on the approved list of the Association of American Universities at the time his bachelor's degree was obtained is eligible for admission as a *regular graduate student*. A graduate of superior attainments from a four-year college not on the list, is normally eligible for admission only as a *special graduate student* for a specified period, not exceeding one academic year. A special graduate student may be admitted by the Graduate Board to regular graduate standing after a semester, or its equivalent, of study in residence and upon the recommendation of his major department.

*Application.* A prospective applicant should communicate with the department in which he expects to do his major work. If he is encouraged to make application by the department, he will receive the application blanks and should submit them to the chairman of the department with an official transcript of undergraduate work, two letters of recommendation from persons in a position to speak frankly of his qualifications, and a recent photograph (passport size



preferred). A photograph is not required of those who have had a personal interview with members of the staff. Any other pertinent information, including published or unpublished theses or other writings, may accompany the application. For most favorable consideration, applications for appointments for the succeeding year should be in the hands of the chairmen of the respective departments by March 1st.

*Admission.* In granting admission, the Graduate Board may, with the advice of the department, prescribe a minimum period of residence, never less than one year, and other definite requirements, including courses in particular subjects, as prerequisites for a graduate degree. Admission to the graduate school does not in any way imply admission to candidacy for a degree. Admission to the graduate school is granted for entry only at the specified time, and lapses if the student fails to enter at that time. If, after an applicant has entered as a regular student, his period of graduate study is broken by more than a year, he must make formal application for reinstatement.

*Undergraduates and non-graduate special students in graduate courses.* Admission of other than regular or special graduate students to a course "Primarily for Graduate Students" may be authorized by the Secretary of the Graduate Board on formal recommendation in each case by the department in which the course is offered.

#### SCHOLARSHIPS AND FELLOWSHIPS

Scholarships and fellowships (except honorary appointments) are for prospective candidates for the degrees of Master of Arts and Doctor of Philosophy in this university.

Application for a fellowship or scholarship should be made to the department in which the applicant expects to do his major work and should be accompanied by official transcripts of record, letters of recommendation and a photograph of the applicant. Applications when complete and properly endorsed by the departments will be considered by the Committee on Credentials for recommendation to the Graduate Board.

According to an agreement of the Association of American Universities, the elections of fellows and scholars will be communicated on April 1st, but not before, to each member of the Association of American Universities and to each successful candidate. An appointment will become effective when an acceptance in writing is filed with the secretary of the Graduate Board within fifteen days of the date of notification.

A scholar or fellow may not engage during the term of appointment in any occupation that may interfere with his duties as a full-time graduate student unless he obtains permission from the Graduate Board to do so.



*Scholarships.* Scholarships may be awarded to students of high rank who are expected to complete the requirements for the master's degree in the normal time. Scholarships are valued up to \$400 including tuition.

*Fellowships.* Fellowships valued up to \$400, including tuition, may be awarded to full-time, regular graduate students who have completed an amount of graduate work equivalent to the requirements for the degree of Master of Arts. Fellowships valued up to \$500, including tuition, may be awarded to students who give promise of completing their work for the degree of Doctor of Philosophy by the end of the academic year for which the appointments are made.

Distinguished visitors may be appointed honorary fellows for specified periods at the discretion of the Graduate Board. Such appointments entitle their holders to all university privileges and carry freedom from tuition charges.

*Assistantships.* Assistantships are available in certain departments, appointments usually being made from the list of fellows. Applications should be made to the departmental chairman. An assistant is required to help in the teaching duties of the department and is paid a small stipend. When the duties of an assistant prevent a scholar or fellow from carrying a full program of studies during the academic year, he may nevertheless secure credit for a year's work through a summer program of research or reading directed by the department and approved by the Graduate Board.

#### STUDENT AID

Student aid is available from the following funds, with the restrictions noted.

A CITIZEN'S FUND, the income of which is to be used for the aid of "some one or more worthy native born citizens of the City of Worcester who may desire to avail themselves of the advantages of the institution." The benefits of this fund are available to graduate students only.

THE JOHN WHITE FIELD FUND, the income of which is "to provide for the minor needs of a scholar or fellow," was established by Mrs. Eliza W. Field. The fund amounts to five hundred dollars.

THE ELIZA D. DODGE FUND is a sum of one thousand dollars, the income only of which is to be expended to aid graduate students of limited means engaged in research work.

THE SARAH M. THURBER LOAN FUND was established by the late Charles H. Thurber, former president of the Board of Trustees,

as a memorial to his mother. The fund is administered by the President of the university.

**ALUMNI LOAN FUNDS.** Loans from these funds are available on suitably endorsed notes. Applications should be made through the student's major department.

Loans bear interest at the rate of 4 per cent per annum.

#### LANGUAGE REQUIREMENTS

*Requirement in English.* A student who wishes to become a candidate for a higher degree during his first year of residence may be required to come before the Committee on Language Examinations before admission to candidacy, for a test of the adequacy of his knowledge of English in respect to speaking, reading and writing.

A candidate for a graduate degree after more than one year of graduate study must satisfy his major department in respect to his knowledge of English.

*Foreign Languages.* A prospective candidate for the degree of Doctor of Philosophy is advised to prepare himself early for the oral examinations in reading modern languages. French and German are required except in cases where the Graduate Board may authorize the substitution of another language for one of these. A student must take these examinations not later than March 1st of his first year of residence at Clark University beyond the master's degree. When he is ready for either or both he should notify the Recorder, who will arrange for the examinations to be held within two weeks if possible. These examinations are conducted by a committee composed of a representative of one of the modern language departments and a representative of the student's major department. The committee reports the results of the examination to the Recorder. Additional language requirements may be imposed by the student's major department.

#### RESIDENCE

A regular year of full-time study or its specified equivalent in residence at Clark University is a prerequisite for any degree. Residence work is broadly defined as regular work at Clark University done under the immediate personal supervision of at least one member of the university faculty. A field trip led by a member of the university faculty who is regularly engaged in graduate instruction is considered to provide opportunity for work in residence to a maximum amount of nine weeks.

Only the following are recognized as equivalents to a regular academic year:

*For the degree of Master of Arts, one full semester of the regular*

academic year and the equivalent of eighteen other weeks on a full-time program of graduate work approved by the major department.

A student admitted to full graduate standing may satisfy the minimum residence requirements for the master's degree by attending, at Clark University, five summer sessions of six weeks each, and taking a normal program made up exclusively of graduate courses approved by his major department.

The residence requirement may also be fulfilled in two full twelve-week terms and one six-week session, or by some other allotment of time providing a minimum of thirty weeks in courses of graduate grade.

A normal program during the summer term consists of two regular courses in addition to any departmental seminars.

*For the degree of Doctor of Philosophy*, a sufficient number of courses taken during the regular academic year, even if spread over a number of years.

During the war emergency a twelve weeks' summer term is being conducted as part of the regular academic year. While this continues, a student may, with his department's approval, receive a semester's residence credit for one such term.

#### THE DEGREE OF MASTER OF ARTS

*Admission to Candidacy.* Regular students who have been admitted to the graduate school without condition, or others who have met any special requirements imposed by the Graduate Board, may, when they have demonstrated their ability to do satisfactory work, be accepted by the Graduate Board as candidates for the degree of Master of Arts. An application for admission to candidacy for the master's degree will be considered by the Graduate Board when the student has:

1. Completed one semester of full-time graduate work or its equivalent in residence at this university;
2. Paid the diploma fee (\$10) and publication fee (\$10), and
3. Obtained the written endorsement of his major department.

Applications should be filed with the secretary of the Graduate Board not later than the first week of the last full semester which the student expects to spend in residence as a candidate for the degree. Unless extended by action of the Graduate Board, candidacy for the degree of Master of Arts lapses at the end of three years. When candidacy expires without the degree having been awarded, the diploma and publication fees, less any expenses incurred, will be returned.

*Course requirements.* In order to insure that the student may obtain the necessary training, he must meet a minimum course require-



ment of 18 semester hours in addition to his research work. The subject-distribution of the courses of each candidate must have the approval of the candidate's major department. A candidate for the master's degree who is definitely preparing to teach in secondary schools, may, with the approval of his major department, elect one or two semester courses in education which will count toward the fulfillment of this course requirement.

*Examinations.* The candidate must make a satisfactory record in such written examinations as may be required by the major department, and in a final oral examination of approximately one hour's duration by a committee of three or more, two of whom shall be members of the Graduate Board. The major department shall make a written report in duplicate, one copy to be delivered to the university Recorder and the other to the secretary of the Graduate Board, not later than 9 A.M. of the Thursday preceding commencement, stating the ground on which the candidate is recommended for the degree.

*Thesis.* The candidate must demonstrate that he has a comprehensive knowledge of his field of study and is capable of carrying on, under direction, a satisfactory investigation in that field. He must submit to his major department, by May 15 of the year in which the degree is to be conferred, a thesis on an approved topic and an abstract thereof which should not exceed 600 words in length. The thesis and abstract must be in a prescribed form on "thesis paper," to be obtained from the Bursar, and each must be accompanied by a title page and an academic history of the candidate on forms to be obtained from the Recorder.

The thesis and two copies of the abstract, bearing signed approval on behalf of the major department, must be delivered by the department to the Recorder not later than 9 A.M. of the Thursday preceding commencement.

Additional copies of the thesis or abstract may be required by the major department.

#### THE DEGREE OF DOCTOR OF PHILOSOPHY

*Course of Study.* Only such candidates as give evidence of general proficiency, power of investigation and high attainments in the special field in which their major subjects lie will be encouraged to proceed to the degree of Doctor of Philosophy.

A graduate student who expects to proceed to the doctor's degree shall select a major subject of study, and at least one minor subject with the approval of the department in which the major subject lies.

*Admission to Candidacy.* Applications for admission to candidacy must be filed not later than November first, in any academic year, by students who hope to receive the degree at the end of that academic year.



An application for admission to candidacy for the degree of Doctor of Philosophy will be considered by the Graduate Board when the applicant has:

1. Completed two full academic years of graduate work or its equivalent;
2. Passed examinations in at least two foreign languages. French and German are required except in cases where the Graduate Board may authorize the substitution of another language for one of these;
3. Passed a preliminary examination in his chosen fields of study;
4. Paid the diploma and publication fees (\$25 and \$15);
5. Obtained the written endorsement of his major department.

Admission to candidacy for the degree of Doctor of Philosophy holds good only for three years from the date of the vote granting admission to candidacy. When candidacy expires without the degree having been awarded, the diploma and publication fees, less any expenses incurred, are returned.

*Dissertation.* For the degree of Doctor of Philosophy an indispensable requirement is a dissertation upon an approved subject, to which it must be an original contribution of value.

Not later than May 1, the dissertation, with an abstract not exceeding 1,200 words in length, must be presented to the instructor under whose direction it is written.

The dissertation and abstract must be in a prescribed form on "thesis paper," to be obtained from the Bursar, and each must be accompanied by a title page and an academic history of the candidate on forms to be obtained from the Recorder.

The dissertation and abstract must be accepted by the chief instructor before the final examination may be held. The dissertation must be laid before the examining committee at the time of examination, with the comments of the chief instructor and other readers.

A complete copy of the dissertation and two copies of the abstract, each bearing the approval of the chief instructor over his signature, must be delivered by the department to the Recorder not later than 9 A.M. of the Thursday preceding commencement. The dissertation and one copy of the abstract will be deposited by the Recorder in the library, where they remain permanently.

A second copy of the dissertation, accompanied by a copy of the abstract must be delivered to the department or to the library for loan purposes.

If a dissertation is published, five copies should be presented to the Clark University Library; four copies to be retained by the library and the other to be presented to the Library of Congress for its annual list of American doctoral dissertations printed.

*Final Examination.* The final examination is oral and lasts for at least two hours; additional written examinations may be given if the major department so directs. The candidate is expected to defend his dissertation and, at the discretion of the examining committee, may be questioned on the entire special field of his study. The oral examination is conducted by a committee of at least four members, including the chairman and one other member of the major department, a member of the Graduate Board under whom the candidate has done no work, and such other members of the Graduate Board as are appointed. The President of the university is authorized to invite any person from within or without the university to be present and to assist in the examination.

## The Graduate School of Geography

WALLACE W. ATWOOD, PH.D., Professor of Physical and Regional Geography and Director of the Graduate School of Geography.

W. ELMER EKBLAW, PH.D., Professor of Geography, Assistant Editor, *Economic Geography*.

SAMUEL VAN VALKENBURG, PH.D., Professor of Climatology and Regional Geography.

WALLACE W. ATWOOD, JR., PH.D., Associate Professor of Physiology and Regional Geography.

GUY H. BURNHAM, A.M., Cartographer.

RICHARD F. LOGAN, A.M., Associate in Cartography.

J. LEWIS ROBINSON, A.M., Associate in Meteorology.

The Graduate School of Geography gives opportunity to properly qualified students to secure advanced training in geography. The staff is composed of specialists in the various fields of geography. They must of necessity spend a portion of their time in travel and in field studies, but while in residence, they offer regular courses of instruction and direct advanced students in research work. It is not the intention to offer all courses of instruction each year; many of them are given once in two years. Abundant instruction is provided, but graduate students are advised not to burden themselves by attending too many courses. They must depend very largely for growth upon their individual efforts in research, under the direction of members of the staff. The map collection, libraries and special laboratories for cartography and the interpretation of aerial photographs provide unusual facilities for research work in residence. All graduate students are encouraged to undertake independent field studies before completing their university work.

### GEOGRAPHY COURSES FOR COLLEGE STUDENTS

Undergraduates planning to major in geography or to go into graduate work in geography are urged to consult the geography staff early in their undergraduate course, so that suitable programs may be mapped out including essential courses in related fields.

Students majoring in geography are required to take seven year-courses, or the equivalent, in geography and related fields. At least four and not more than five of these courses must be in geography. The courses required in geography include: 10a, 10b—usually taken in the freshman year; 15b, 16a, 181b, 185a and Geology 12—usually taken in the sophomore or junior years. Other courses which may be taken to complete the major requirements are: in geography, 26, 12a, 17a, 17b, 100b; and in related fields, Biology 11, 12, Physics 11, Economics 11, History 18.

Students majoring in geography may, by special permission, elect in their third and fourth years advanced courses offered in the Graduate School of Geography.

#### GRADUATE WORK IN THE SCHOOL OF GEOGRAPHY

Work is offered leading to the degrees of Master of Arts and Doctor of Philosophy. For the master's degree two years may be required for those whose preparation is considered to be insufficient to permit them to qualify in the minimum time.

A distinctive feature of the work in the Graduate School of Geography is the autumn field camp of three weeks' duration at the beginning of the fall term. The field program includes studies in physiography, land utilization, industrial geography and weather observations, with special training in mapping and other field techniques. Cars, camp trailers, scientific instruments and other equipment are provided. Suitable field clothing and blankets must be provided by the individual student. All prospective candidates for graduate degrees in geography who are in residence are expected to attend the field camp each autumn. Following the return to the campus, about ten days are allowed for the completion of field reports. Formal course work begins on the second Monday after the close of the field camp.

Formal course work in geography ends in the spring about May 1st, leaving students free to read and to coördinate their work prior to the examination period.

Candidates for the master's degree are expected to pass written examinations in at least six of the following fields: physiography, climatology, soils and land utilization, plant geography, economic geography, human geography and cultural geography, regional geography, and political geography. The oral examination for the master's degree covers four fields approved by the Staff.

Candidates for the doctor's degree in geography are expected to pass written examinations in the above fields, and a general oral examination covering six major fields approved by the staff. In general, a year of work beyond the master's degree should prepare a candidate for the general examination preliminary to his acceptance as a candidate for the doctor's degree and to his concentration work for his dissertation. This year of course work may well include, besides certain advanced courses in geography, related advanced studies in biology, economics, history and international relations as follows: botany (Biol. 14); economic history (Ec. 14); economic statistics (Ec. 16); international trade; theory and finance (Ec. 27a); international economic policies (Ec. 31); The Pacific and the Far East (Hist. 22).



## STUDENTS' FEES

All geography students in residence must pay the camp fee, workroom fee, and classroom materials fee.

The camp fee, determined on a cost basis, varies between \$50 and \$75 and is payable to the camp director on or before the first day of the camp. The tuition fee, for a student participating in the field course only, is \$25. The camp fee covers board and lodging, transportation, maps, drafting supplies and the use of meteorological instruments and other equipment for the three weeks' period.

The workroom fee, \$5 a semester, is payable November 1st and March 1st to the department. It helps to maintain the geography workroom and the equipment used by graduate students:—alcove desks, files of maps, card catalogue, drafting tables and instruments, and adding machines.

The classroom fee, \$5 a semester, is payable November 1st and March 1st to the department. It is for mimeographing and for the maintenance, in part, of the classroom wall maps and other equipment and for the expense of balloons, hydrogen, and meteorological instruments.

## WAR SERVICE TRAINING PROGRAM

In response to the many requests for geographers to assist in the war effort, the Graduate School of Geography introduced in June 1942 a War Service Training Program designed to provide instruction in war-time geography. A majority of those who attended the first session of the new program are now serving as geographers in various government agencies in Washington and in the armed forces. Other members of the group are teaching geography or continuing their graduate studies. The steady increase in calls for geographers has prompted the department to continue the program "for the duration". Those who satisfactorily complete one or more semesters of training in war-time geography receive the "war service training certificate." The war service courses as well as those included in the regular offerings of the School of Geography are of graduate level and may be applied toward the M.A. or Ph.D. degrees. Students may enroll in courses listed in either division.

One of the special features of the War Service Training Program is the participation of visiting lecturers. Since the inauguration of the program in June 1942 the following geographers and cartographers have taken part in the instructional work:

## VISITING LECTURERS

(1942-1943)

CHARLES F. BROOKS, PH.D., Meteorology  
RICHARD EDES HARRISON, Cartography

ARTHUR ROBINSON, M.A., Cartography  
 GEORGE B. CRESSEY, PH.D., Asia  
 EARL B. SHAW, PH.D., Economic Geography  
 MAJOR PRESTON E. JAMES, PH.D., Latin America  
 RICHARD HARTSHORNE, PH.D., Europe and Political Geography  
 LEONARD WILSON, PH.D., Cartography  
 ROBERT M. CHAPIN, JR., Cartography  
 ERWIN RAISZ, PH.D., Cartography  
 GRIFFITH TAYLOR, PH.D., War Zones

SUMMER TERM, 1942  
 (June 22-September 12)

*Lecture Program*

**WS500. Geography of the War Zones.**

(12 weeks) JONES, VAN VALKENBURG, CRESSEY AND SHAW

**WS501. Special Studies in Geography:**

**Meteorology (4 weeks)**

VAN VALKENBURG AND BROOKS

**Strategic Materials (4 weeks)**

JONES

**Relief and Coastal Features (4 weeks)**

ATWOOD AND ATWOOD, JR.

*Laboratory Program*

**WS502. Cartography and Graphics.**

ATWOOD, JR., BURNHAM,  
 HARRISON, AND ROBINSON

**WS503. Map Reading and Use of Map Collections.**

ATWOOD, JR., AND VAN VALKENBURG

**WS504. Interpretation of Aerial Photographs. ATWOOD, JR.**

**WS506. Operation of Weather Station.**

VAN VALKENBURG AND BROOKS

*Research and Seminar Program*

**WS505. Research Conferences.**

STAFF AND VISITING LECTURERS

**WS507. Coordination Seminars.**

STAFF AND VISITING LECTURERS

War Service Training Program courses offered during the first and second semesters are closely integrated with other graduate courses in geography and are included in the list of courses for graduate students only. They may be identified by the "WS" which precedes the course number.

## COURSES PRIMARILY FOR UNDERGRADUATES

**10a. The Principles of Geography.** An introductory course dealing primarily with the physical phases of geography.

Half course, first semester. M. W. F., 10. MR. ATWOOD, JR.

**10b. Introduction to Regional Geography.** Application of the principles of geography to the study of selected regions throughout the world.

Half course, second semester. M. W. F., 10.

MR. VAN VALKENBURG

**11a. Map-making and Relief Model Construction.** Use of plane-table and alidade; elements of field sketching; methods and techniques in model construction.

Half course, first semester. Tu. F., 2-4

MR. ATWOOD, JR.

Omitted, 1942-43.

**12b. Meteorology.** Elements of meteorology with practical exercises.

Half course, second semester. Tu. Th. S., 8.

MR. ROBINSON

**15b. Conservation of Natural Resources.** A survey of natural resources including a study of ways and means of insuring wise utilization of essential or strategic resources.

Half course, second semester.

MR. ATWOOD, JR.

Omitted, 1942-43.

**16a. Political Geography.** Study of principles with special reference to current events.

Half course, first semester. M. W. F., 11. MR. VAN VALKENBURG

**17a. Geography of Worcester and Vicinity.** A field and laboratory course. Special training in mapping techniques.

Half course, first semester.

MR. ATWOOD, JR.

Omitted, 1942-43.

**17b. Geography of New England.** A field and laboratory course. Physiographic, land use, and industrial studies of selected areas in New England.

Half course, second semester.

MR. ATWOOD, JR.

Omitted, 1942-43.

**100b. Military Geography.** Laboratory course. Interpretation of military maps, charts, and aerial photographs.

Half course, second semester. Tu. F., 1-3.

MR. ATWOOD, JR.

**181b. Geography of North America.** A systematic regional treatment of the physical, economic, and cultural geography of North America.

Half course, second semester.

MR. ATWOOD, JR.

Omitted, 1942-43.

**185a. Geography of Europe.** Geographical survey of the European continent and the individual countries.

Half course, first semester. M. W. F., 11. MR. VAN VALKENBURG

Omitted, 1942-43.

**191a. Cartography and Graphics.** A study of graphic methods and maps with especial emphasis upon map projections.

Half course, first semester. Tu., 12; W., 2-5. MR. BURNHAM

**191b. Advanced Cartography.** Methods of preparing maps and statistical data for publication; use of special cartographic tools and devices.

Half course, second semester. Tu., 12; W., 2-5. MR. BURNHAM

#### COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATE STUDENTS

**26. Economic Geography.** An analysis of the occupations of economic geography—hunting, fishing, forest industries, grazing, farming, mining, manufacturing, transportation, and trade. Prerequisites, Geography 10a, 10b, 12b, and Geology 12.

Three hours, through the year. Tu. Th. S., 9.

MESSRS. VAN VALKENBURG AND EKBLAW

**201b. Geography of Asia.** General study of the continent and more detailed study of selected regions.

Two hours, second semester.

MR. VAN VALKENBURG

Omitted, 1942-43.

**202a. Political Geography.** Application of principles of political geography on selected problems of recent significance.

Two hours, first semester. Tu. Th., 10. MR. VAN VALKENBURG

#### COURSES EXCLUSIVELY FOR GRADUATE STUDENTS

Note: War Service Training Program courses are closely integrated with other graduate courses in geography. They may be identified by the "W.S." which precedes the number of the course.

**30. Regional Physiography of North America.** The evolution of landforms in the major physiographic provinces. Laboratory in map interpretation.

Two hours of lectures and two hours in the laboratory weekly.

Omitted, 1942-43.

MR. ATWOOD, JR.



**31. Regional Physiography of the World.** A study of selected areas within the major physiographic regions of the world. Laboratory in map interpretation. Prerequisite, Geology 12, or equivalent in physiography.

Two hours of lectures and two hours in the laboratory weekly.  
Tu. Th., 11. MR. ATWOOD, JR.

**W.S. 600. War Zones.** A geographical study of present and potential war fronts.

Tu. Th., 10. (Daily when visiting lecturers are in attendance.)  
MESSRS. VAN VALKENBURG, JAMES,  
HARTSHORNE, COLBY, AND VAN CLEEF

**32. Regional Climatology.** A study of the climates of the world. Prerequisite, Geography 12b or equivalent.

Two hours, through the year. M. W., 11. MR. VAN VALKENBURG  
Omitted, first semester, 1942-43.

**W.S. 601a. Meteorology.** Introduction to principles of meteorology; practical use of weather station, modern weather maps, weather symbols, and code system.

M. W., 8. MR. VAN VALKENBURG

**33. Soil Geography, first semester; Land Utilization and Planning, second semester.**

First semester: Reviews development and character of soils, their distribution and economic significance, in the light of their geographical relationships.

Second semester: Outlines relationships that physical and cultural factors bear to purpose and pattern of land use, conservation of land resources, and basic elements of land planning.

Two hours, through the year. MR. EKBLAW  
Omitted, 1942-43.

**W.S. 602. Soils and Food Production.** First semester: *Land Use and Food Production*, relating character and distribution of various soils to agricultural production and economy. A basic lecture course. Second semester: Relating distribution and composition of population to land tenure, land use, and conservation as they affect production. A seminar course.

M. W., 10. MR. EKBLAW

**34. Biogeography, first semester; Life Zones and Regions, second semester.**

First semester: Geographic significance of character, function, distribution, and relationships of plant and animal forms and societies in their adjustments to factors and habitat.

Second semester: Major life zones, plant associations, and animal

societies, regionally considered in relation to the elements of climate and terrain; and their effect on man's activities.

Prerequisite, Geography 34a.

Two hours, through the year.

MR. EKBLAW

Omitted, 1942-43.

**37. Human Geography**, first semester; **Cultural Geography**, second semester.

First semester: Considers influence and effect of location, area, relief, coastline, drainage systems, climate, and other geographic factors, separately and in their mutual interaction upon the economic, social, and political development of peoples and states.

Second semester: Summarizes the role that geographic factors have played in evolution of races and cultures, artifacts and institutions.

Prerequisites, nine hours of geography or history and permission of the instructor.

Seniors of superior standing may be accepted, by special permission.

Two hours, through the year. M. W., 2.

MR. EKBLAW

**375b. Geography of Europe.** General study of the continent and more detailed study of selected regions.

Two hours, second semester.

MR. VAN VALKENBURG

Omitted, 1942-43.

**383b. Caribbean America.** The historical background of the republics and islands of the Caribbean; analysis of selected major geographic regions; increasing importance of the Caribbean area in commercial and political affairs of the Americas.

Three hours, second semester. M. W. F., 11.

Omitted, 1942-43.

**384a. South America.** An analysis of the major geographic regions of South America; special geographical problems of South American republics; impact of the war on South America.

Three hours, first semester. M. W. F., 11.

Omitted, 1942-43.

**W.S. 603. Cartography, Map Reading and Interpretation of Aerial Photographs.** A laboratory course including the preparation of maps, graphs and charts, the reading of foreign and domestic maps of all types and the interpretation of aerial photographs with the aid of the contour finder, sketchmaster, and other stereoscopic equipment. Special instruction will be given in the use of the LeRoy and Wrico lettering sets, zipitone, and the airbrush.

M. Tu. Th. F., 3-5.

MESSRS. ATWOOD, JR., BURNHAM,  
WILSON, CHAPIN, AND RAISZ

300. **Problems in Geography.** Tu., 3.30. PRESIDENT ATWOOD
301. **General Seminar.** STAFF
302. **Seminar for Ph.D. Candidates.** F., 2. STAFF
310. **Research in Regional Physiography.**  
PRESIDENT ATWOOD AND MR. ATWOOD, JR.
320. **Research in Climatology.** MR. VAN VALKENBURG
330. **Research in Soils.** MR. EKBLAW
340. **Research in Plant Geography.** MR. EKBLAW
350. **Research in Agricultural Geography or  
Land Utilization.** MR. EKBLAW
360. **Research in Economic Geography.**
370. **Research in Human Geography.** MR. EKBLAW
380. **Research in Regional Geography.**

ONE OR MORE MEMBERS OF THE STAFF

394a. **Field Methods and Studies.** Two or three weeks at the opening of the school year. Connecticut Valley, 1925 to 1930 inclusive; Cape Cod, 1931; Connecticut Valley, 1932 and 1933; Blackstone Valley, 1935; upper Housatonic Valley, 1936; Central Highlands of Massachusetts, 1937; omitted in 1938 because of hurricane; lower Merrimac Valley, 1939; Connecticut Valley, Springfield region, 1940; Connecticut Valley, Northampton-Holyoke region, 1941; Sutton area, Mass., 1942.

Required each year of all candidates for graduate degrees in geography.

# The Graduate Division of International Affairs

## GEOGRAPHY, DIPLOMACY, ECONOMICS

WALLACE W. ATWOOD, President of the University and Director of the Graduate School of Geography.

GEORGE H. BLAKESLEE, Professor of History and International Relations.

SAMUEL J. BRANDENBURG, Professor of Economics and Sociology.

SAMUEL VAN VALKENBURG, Professor of Climatology and Regional Geography.

ARTHUR F. LUCAS, Professor of Economics and Sociology.

H. DONALDSON JORDAN, Professor of English History.

DANIEL C. DENNETT, JR., Assistant Professor of History.

KURT H. EHLERS, Assistant Professor of Economics.

### DIVISIONAL COMMITTEE

GEORGE H. BLAKESLEE, *Chairman*

SAMUEL J. BRANDENBURG

SAMUEL VAN VALKENBURG

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The Graduate Division of International Affairs aims to meet a demand for graduate work which will be devoted entirely to the general field of international affairs and which will include work in geography, history and international relations, and economics and sociology. This division groups together appropriate courses and seminars in order to prepare graduate students for the government service of the United States, college and university professorships in international affairs, posts in corporations and banks doing foreign business, and research and administrative positions in the field of world affairs. The courses include offerings in political, regional and economic geography; foreign trade, commerce, and finance; international law; modern and diplomatic history of Europe, Asia, and Latin America; and the foreign policy and international relations of the United States.



## THE DEGREE OF MASTER OF ARTS

Qualified graduate students, including those registered in any one of the three cooperating departments, may apply for permission to take work leading to the master's degree in international affairs. The Divisional Committee will pass upon the adequacy of each candidate's preparation and on his program of studies for the degree.

A knowledge of the fundamentals of political and economic geography, of economics, and of international relations will be required of each candidate, whether or not courses in these subjects are taken during the period in residence for the degree. Each candidate must present courses from at least two of the cooperating departments.

## THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates for the degree of Doctor of Philosophy in International Affairs must meet all general requirements of the University for this degree. The six "fields" presented for the preliminary doctoral examination must be approved by the Divisional Committee. One field at least must be chosen from each of the three departments, and no more than three fields may be taken in any one department.

## THESES AND DISSERTATIONS

Subjects selected for theses and dissertations in the Division of International Affairs must deal with some aspect of international affairs and receive the approval of the Divisional Committee. Each thesis or dissertation will be written under the supervision of the member of the staff within whose special field the research lies.

## SCHOLARSHIPS AND FELLOWSHIPS

A limited number of graduate scholarships and fellowships are available for students of high rank in the Division of International Affairs.

## ADMISSION

A student who wishes to enter the Division of International Affairs and undertake a plan of study leading to a degree should communicate with some member of the Divisional Committee.

COURSES WHICH MAY BE TAKEN FOR CREDIT IN THE  
DIVISION OF INTERNATIONAL AFFAIRS

Descriptions of these courses are given in the announcements of the respective departments.

## GEOGRAPHY

- Geography 26. Economic Geography. MR. VAN VALKENBURG
- Geography 202. Political Geography. MR. VAN VALKENBURG
- Geography 375. Europe. MR. VAN VALKENBURG
- Geography 201. Asia. MR. VAN VALKENBURG
- Geography 360. Research in Economic Geography.  
MR. VAN VALKENBURG
- Geography 390. Research in Political Geography.  
MR. VAN VALKENBURG
- Geography 380. Research in Regional Geography.  
MR. VAN VALKENBURG
- Geography 600. War Zones.  
MR. VAN VALKENBURG AND VISITING LECTURERS

## HISTORY AND INTERNATIONAL RELATIONS

- History 18. A Survey of International Relations.  
MR. DENNETT
- History 21. England in Two Wars, 1914-1918 and 1939-1942.  
MR. JORDAN
- History 22. The Pacific and the Far East. MR. BLAKESLEE
- History 231. International Law. MR. BLAKESLEE
- History 235. British India. MR. JORDAN
- History 25. Recent History of the British Empire.  
MR. JORDAN
- History 27. Conflicts of Modern Political Thought.  
MR. JORDAN
- History 28. History of the British Empire. MR. JORDAN
- History 33. Foreign Relations of the United States.  
MR. BLAKESLEE
- History 351. Research in the International Relations of the  
United States. MR. BLAKESLEE

History 352. Research in the International Relations of the Pacific and the Far East. MR. BLAKESLEE

History 353. Research in the History and International Relations of the British Empire. MR. JORDAN

History 354. Research in the History and International Relations of Continental Europe. MR. DENNETT

ECONOMICS AND SOCIOLOGY

Economics 13. Money and Banking. MR. EHLERS

Economics 27a. International Trade: Theory and Finance. MR. LUCAS

Economics 211b. Contemporary Economic Systems. MR. BRANDENBURG

Economics 31. International Economic Policies. MR. BRANDENBURG

Economics 312. Research in International Policies and Systems. MR. BRANDENBURG

Economics 313. Research in Money and Banking. MR. EHLERS

Economics 314. Research in International Trade and Finance. MR. LUCAS

## Departmental Announcements

The unit of instruction for undergraduates is a "course." A "course" normally meets for classroom or laboratory exercises three or four times weekly throughout the fall and winter terms and constitutes one-fifth of a normal program for an undergraduate. A "half course" normally meets with the same frequency throughout one term. Classes meeting twice weekly normally yield credit for one-third of a course in each term.

In the summer term five sixty-minute periods weekly for twelve weeks are devoted to each "course."

*Each unit of undergraduate instruction as listed below constitutes one "course" unless its value as a fractional course or a multiple course is indicated.*

Advanced courses, not primarily for undergraduates, are announced with a statement of the number of weekly meetings. Undergraduates who are permitted to enroll in such courses should carefully check with the Recorder to avoid any misunderstanding in regard to the equivalent number of "courses" represented by their programs.

Courses offered by the several departments are listed under three headings:

1. PRIMARILY FOR UNDERGRADUATES, designated by numbers beginning with the figure (1).

2. FOR ADVANCED UNDERGRADUATES AND GRADUATE STUDENTS, designated by numbers beginning with the figure (2).

3. PRIMARILY FOR GRADUATE STUDENTS, designated by numbers beginning with the figure (3).

Credit for the first term alone is given in all courses except in cases where a department, by a note following the description of the course, reserves the right to withhold credit until the second term of the course is satisfactorily completed.

Any course may be entered at the beginning of the second term, with the consent of the instructor, by students who are prepared to take up the work of the course at that time.

### DEPARTMENT OF ANCIENT LANGUAGES

PROFESSOR BRACKETT

The courses offered in this department fall into two groups: (1) courses which involve a knowledge of the Greek or Latin language; (2) courses dealing with important aspects of Greek or Roman civilization (history, literature, art, etc.), in which knowledge of the language is not required.

In regard to Latin, the department seeks to meet the problem created by the lack of uniformity among entering freshmen in the amount of time devoted to Latin in the secondary school. Provision



is made for three groups: (1) For those without previous study of Latin, a course in elementary Latin is given from time to time, in accordance with the demand. (2) Students who have entrance credit for two years of Latin may enter Latin 13a. Completion of this course prepares a student to enter Latin 15. (3) Students who present credit for either three or four years of Latin may enter Latin 15.

As to Greek, students presenting one year of Greek may elect Greek 13; those presenting two years may elect Greek 15a.

A student desiring to take his major in Greek and Latin should consult the instructor.

## GREEK

### COURSES PRIMARILY FOR UNDERGRADUATES

#### *Courses requiring knowledge of the language*

**11. Elementary Greek.** The elements of Greek grammar—forms, syntax, and vocabulary; part of Book I of Xenophon's *Anabasis*. Indivisible course.

Open to freshmen.

Through the year.

Omitted, 1942-43.

**13. (Formerly Greek 12).** Xenophon, *Anabasis*; Homer, *Iliad*. About ten weeks at the beginning of the year are devoted to reading selections from the *Anabasis*, the principal aim being to increase the students' facility in translation. In the remainder of the year the greater portion of the *Iliad* is read, partly in the original and partly in various famous verse translations.

Open to freshmen.

Through the year.

Omitted, 1942-43.

**15a. (Formerly Greek 13).** Greek Tragedy; Euripides, *Medea*; Sophocles, *Antigone*.

Half course, first semester.

Omitted, 1942-43.

**16b.** Plato, the *Apology* and selections from the *Phaedo*; or, Demosthenes, *On the Crown*.

Half course, second semester.

Omitted, 1942-43.

#### *Courses given in English*

Courses 121 and 122 were formerly given as Greek 16, "Greek Tragedy in English."

**121a. Greek Tragedy;** the seven plays of Aeschylus; general introduction to the principles of drama and tragedy.

Half course, first semester. Tu. Th. S., 11.

**122b. Greek Tragedy;** selected plays of Sophocles and Euripides.

Half course, second semester. Tu. Th. S., 11.

**123a. Greek Civilization.** On the basis of a brief outline of the narrative history of Greece to the Roman conquest, those elements of the civilization are emphasized which have made the most valuable and permanent contributions to Western civilization.

Half course, first semester.

Omitted, 1942-43.

## LATIN

### *Courses requiring a knowledge of the language*

**11. Elementary Latin:** selections from Caesar, *de Bello Gallico*. Indivisible course.

Open to freshmen.

Through the year. M. W. F., 11.

**13a. Cicero, *Pro Lege Manilia* and *Pro Archia*.** The principal aims of this course are: (1) to increase the students' ability to read Latin; and (2) to understand and appreciate the form and the content of these two masterpieces of prose writing. Prerequisite, Latin 11, or two years of Latin for admission, or written consent of instructor.

Half course, first semester.

Omitted, 1942-43.

**14b. Vergil,** selections from the *Aeneid*. The attempt is made through the reading of selections from Books 1, 2, and 4, to introduce the students to this masterpiece of epic poetry. Prerequisite, Latin 13a, or its equivalent.

Half course, second semester.

Omitted, 1942-43.

**15. Cicero,** selections from the *Letters*; **Catullus,** selections; **Horace,** selections from the Epodes and Odes. The major emphasis is placed on an understanding and appreciation of these two of the four great poets in Rome. Prerequisite, Latin 14b, or three or four years of high school Latin.

Through the year.

Omitted, 1942-43.

**17a. (Formerly Latin 16).** Selections from **Lucretius, *de Rerum Natura*.**

Half course, first semester.

Omitted, 1942-43.

## DEPARTMENT OF BIOLOGY

PROFESSOR HOAGLAND, *Chairman of Work in Physiology*  
PROFESSOR POTTER, *Chairman of Work in Zoölogy and Botany*  
ASSISTANT PROFESSOR NUNNEMACHER  
VISITING PROFESSOR PINCUS

*Research Associates*

DOCTORS ALAN MATHER, WILLIAM PEARLMAN, NICHOLAS T.  
WERTHESSON AND MR. R. C. POTTER

The biological laboratories are well equipped for the courses offered and contain special equipment for advanced investigations. Funds are available annually for the purchase and building of apparatus which may be required. The university library contains complete files of the more important periodicals and reference works. Certain assistantships, fellowships and scholarships are available from time to time.

## UNDERGRADUATE WORK

Biology 11 presents a comprehensive view which is prerequisite to all other courses in the department.

An undergraduate majoring in biology is expected to complete at least Biology 11 and three advanced courses in biology, Chemistry 11, Physics 11, Mathematics 10 or 11, French or German to an amount sufficient for a good reading knowledge, and at least one additional course in chemistry or physics.

A candidate for honors in biology should also take Biology 14.

## GRADUATE WORK

Students whose records are approved by the department may be admitted by the Graduate Board for work leading to the degrees of Master of Arts and Doctor of Philosophy. The analysis of fundamental activities of living organisms is undertaken upon the basis of physiochemical principles. For this reason some foundation in physics, chemistry and mathematics as well as in biology is essential for advanced work. Certain courses in physics, chemistry, mathematics and psychology may be credited in the Department of Biology.

## WORK IN PHYSIOLOGY

General physiology is concerned primarily with physiochemical determinants of living processes. For this reason certain prerequisites are necessary for its study. Undergraduate enrollment is limited to those, usually seniors but occasionally juniors, who have had an adequate background in biology and in the physical sciences. Physi-

ology 200 is recommended for premedical students and for other majors in biology and chemistry since it attempts to integrate a broad field of experimental science in terms of the functioning of living systems.

Through generous research grants from foundations, pharmaceutical houses and individuals, a program of research in two main lines of physiology is in progress: (a) nerve physiology, and (b) endocrine physiology. Both of these researches, in their clinical aspects, involve close coöperation with several of the Worcester hospitals.

In addition to course work in physiology, graduate students majoring in this field are expected to take certain recommended courses in physics, chemistry, and psychology. Approximately forty per cent of the course work for the doctor's degree in general physiology is usually done in related departments, and members of these related departments assist the biology staff in the final examinations. Candidates for the doctor's degree are also expected to take a summer course in mammalian physiology. The Harvard Medical School gives an especially suitable course of this kind.

Owing to the national emergency and the fact that the physiological laboratory is engaged exclusively in government-sponsored research, only a small number of especially well-qualified graduate students can be accepted for work in physiology.

#### COURSES PRIMARILY FOR UNDERGRADUATES

**11. General Biology.** An introduction to the fundamental principles and problems of biology. Divisible course upon approval by the department.

Open to freshmen.

Through the year. M. W. F., 11; M., 2.

MR. D. POTTER AND MR. NUNNEMACHER

**12. Comparative Anatomy.** A study of the morphology of the vertebrates from a comparative standpoint which traces the evolution of animals from fish to mammals. Lectures and laboratory work.

Through the year. Tu. F., 1, 2.

MR. NUNNEMACHER

**13. Seminar in General Biology.** Credit is not given for this course. All students in the department are invited to attend and to participate.

STAFF OF THE DEPARTMENT

**14. Botany.** First semester, morphology and taxonomy of the lower plants. Special emphasis is given to the algae and fungi.

Second semester, systematic botany of the higher plants with special emphasis on our local flora. A collection of one hundred plants is required, also a spring field trip of at least three days' duration.



Each semester of the course may be elected separately.

Prerequisite, Biology 11, first semester.

Through the year. Tu. Th. S., 11; Th. 2.

MR. D. POTTER

**15b. Invertebrate Zoology.** A detailed study of the structure, life history, habits, and distribution of invertebrate types. Two lectures and two laboratory periods per week.

Half course, second semester.

Omitted, 1942-43.

**16b. Histology.** A comprehensive course dealing with tissue structure. Emphasis is placed on the study of mammalian tissues. Two lectures and two laboratory periods per week.

Half course, second semester.

MR. NUNNEMACHER

**17a. Embryology.** A consideration of the fundamentals of embryology. Two lectures and two laboratory periods per week.

Half course, first semester. Tu. Th. S., 10. MR. NUNNEMACHER

**18b. Genetics.** An introduction to the principles of genetics.

Half course, second semester.

Omitted, 1942-43.

**140. Advanced Systematic Botany.** Prerequisites, Biology 11, first semester and Biology 14, second semester.

Through the year.

MR. D. POTTER

**141b. Economic Botany.** A study of the world's commercial plant products.

Half course, second semester.

Omitted, 1942-43.

**142b. Entomology.** An introduction to the study of insects.

Half course, second semester.

Omitted, 1942-43.

**143. Forestry.** An introduction to the study of forestry.

Through the year.

MR. D. POTTER

**144b. Bacteriology.** An introduction to the study of bacteriology.

Half course, second semester.

MR. D. POTTER

#### COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATE STUDENTS

**200. General Physiology.** Open to students who satisfy the instructor as to their preparation. The principal types of functioning characteristic of living organisms are considered in the light of their physiochemical determinants.

Through the year. Tu. Th., 11 and two laboratory periods.

MR. HOAGLAND

**203. Special Problems.** Advanced semi-independent study of an approved topic under the direction of a member of the staff.  
Hours and credit to be arranged. STAFF OF THE DEPARTMENT

**204. Physiology of the Nervous System (Seminar).** A study of nerve action potentials, synaptic transmission, reflex action and the functions of higher brain centers. Open to students who satisfy the instructor as to their preparation.

Through the year. Hours to be arranged.  
This course alternates with 303.

MR. HOAGLAND

**210a. Neuro-anatomy.** An introductory study of the form and function of the human central nervous system. Biology 12 recommended as a prerequisite.

Half course, first semester. Tu. Th. S., 8. MR. NUNNEMACHER

#### COURSES PRIMARILY FOR GRADUATE STUDENTS

**303. Biophysics.** Principles of physics and physical chemistry in relation to physiological mechanisms. Open to students who satisfy the instructor as to their preparation. Physiology 200 should precede 303. In special cases it may be taken concurrently with 303.

Through the year. Hours to be arranged.

MR. HOAGLAND

Omitted, 1942-43. This course alternates with 204.

**304. Seminar in Experimental Physiology.** Credit is not given for this course but all graduate students are expected to participate in the regular weekly meetings. The seminar is largely conducted by the research staff of the department and by invited speakers.

STAFF OF THE DEPARTMENT

**308. Research in Physiology.**

Credit to be arranged.

MR. HOAGLAND

**309. Research in Botany.**

Credit to be arranged.

MR. D. POTTER

**310. Research in Zoology.**

Credit to be arranged.

MR. NUNNEMACHER

Courses in other departments especially recommended for graduate students in physiology who have the suitable prerequisites are Physics 14 and 23, Chemistry 19 and 32, and Psychology 320a.

## DEPARTMENT OF CHEMISTRY

PROFESSOR MERIGOLD, PROFESSOR BULLOCK, ASSISTANT PROFESSOR  
MARTELL

Courses in chemistry fall into two groups:

First, those primarily for undergraduates. These furnish a foundation for professional work in chemistry or medicine, and are suitable for students desiring some knowledge of the subject as part of their general education.

Second, those primarily for graduate students.

## UNDERGRADUATE WORK

Students who intend to become professional chemists or to study for an advanced degree in chemistry should *major* in chemistry and take at least two years' work in physics.

They are advised to conform as closely as possible to the schedule given below.

*First year:* Chemistry 10 or 11; Mathematics 10 or 11; English 11; one course in "division B" and foreign language.

*Second year:* Chemistry 12a, 13b, and 14; Physics 11; Mathematics 12; and a continuation of work in foreign language.

*Third year:* Chemistry 15, 110, and 19; and electives.

*Fourth year:* Five courses, chosen from the following: Chemistry 111, 212b, 214, 215, 233; Physics 14 and 15; an elective. A choice, with reference to future work, should be made after consultation with the chemistry staff.

Chemistry 19 is required of all "chemistry majors." Premedical students who cannot take course 19 should major in biology and take as much chemistry as possible. Chemistry 19 is essential for work in physiology.

Two years of mathematics are required preparation for Chemistry 19 and for graduate work in chemistry. The same amount of mathematics is required for all who elect chemistry as a "major," and for all who expect to become professional chemists.

For professional work in chemistry, at least one year of graduate study is highly desirable.

Students who intend to enter the field of secondary education should acquaint themselves with the requirements in "education" of state and local licensing boards and prepare to meet these requirements. This may necessitate the omission of certain courses in chemistry scheduled for the third and fourth years.

Students who intend to study medicine should elect courses 10 or 11, 12, 15 and 110 which are required for admission to practically all "class A" medical schools. Courses 13 and 14 are strongly recommended if time allows.

Attention is called to laboratory fees and breakage deposits listed under the general heading "Laboratory Fees and Deposits."

#### GRADUATE WORK

The Department of Chemistry provides graduate students with training in the fundamental principles of chemistry sufficiently broad to prepare them adequately for a scientific career.

Requirements for advanced degrees cannot be met merely by pursuing a course of studies or by carrying on an investigation. Hence no definite course of graduate studies is outlined. Ordinarily, completion of the undergraduate program outlined above will be a prerequisite for graduate work in chemistry.

All graduate students are required to have an adequate reading knowledge of French and German. This requirement applies to candidates for either the master's degree or the doctor's degree.

Students registered for advanced degrees are expected to spend not less than eighteen hours per week in the laboratory. This may include special laboratory work in organic, inorganic, and physical chemistry.

Graduate scholarships and fellowships are available to students in this department.

#### COURSES PRIMARILY FOR UNDERGRADUATES

**10. Elementary Chemistry.** Intended primarily for students who have not previously studied chemistry. Equivalent to course 11 as preparation for advanced courses.

Indivisible course.

Open only to those freshmen who have not studied chemistry in high school.

Through the year. Tu. Th. S., 9; Th., 2.

MR. MARTELL

**11. General Chemistry.** Chiefly inorganic. Systematic study of the elements and their principal compounds, and the fundamental laws and theories of chemistry. Three lectures and six hours of laboratory work per week. Divisible only by consent of instructor.

Open to freshmen who have studied chemistry in high school.

Through the year. M. W. F., 11; M. 2.

MR. MERIGOLD

**12a. Qualitative Analysis.** Chiefly laboratory work, nine hours per week. Occasional lectures and recitations. Prerequisite, course 11 or its equivalent.

Half course, first semester. Tu. F., 2.

MR. BULLOCK

**13b. Introduction to Physical Chemistry.** A study of the use of chemical principles in working out practical problems, including



the study of gases, solutions, thermochemistry and homogeneous equilibrium.

Half course, second semester. Tu. Th. S., 12 MR. MARTELL

**14. Quantitative Analysis.** Chiefly laboratory work, with occasional lectures, recitations, and problems. Six hours of laboratory work, and one lecture per week. Prerequisite, course 13.

Divisible for premedical students. The complete course is required for a "major" in chemistry.

Through the year. Tu., 3:30; Th., 8. MR. MERIGOLD

**15. Elementary Organic Chemistry.** Lectures on the fundamental principles of organic chemistry. Prerequisite, a grade C— or better in course 11, or its equivalent.

Through the year. M. W. F., 9. MR. BULLOCK

**19. Physical Chemistry.** Principles of physical chemistry including atomic and molecular structure, gases, liquids, solutions, crystalline solids, chemical thermodynamics, homogeneous and heterogeneous equilibria, electrolytic conductance, electrode potentials, electrolysis and polarization, colloids.

Three hours of lectures and four hours of laboratory per week. Prerequisites, Chemistry 13b, 14, Mathematics 12, Physics 11.

*A required course for Chemistry Majors.*

Through the year. Tu. Th. S., 10. Tu., 3; F., 2. MR. MARTELL

**110. Organic Synthesis.** Laboratory work in the preparation of typical organic compounds. Course 110 should be taken, if possible, in connection with course 15. Four and one-half hours of laboratory work per week. Open only to students who take or have taken courses 12, 14 and 15.

Half course, continuing through the year. Th., 2. MR. BULLOCK

**111. Detection and Analysis of Organic Compounds.** Chiefly laboratory work. Open to students who take or have taken Chemistry 110.

This course may be taken throughout the year four and one-half hours per week to supplement Chemistry 19 or 110, or 9 hours per week during the second semester.

Half course, continuing through the year. M., 2. MR. BULLOCK

#### COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATE STUDENTS

**212b. History of Chemistry.** Outline of the historical development of the science, and the relation of chemistry to other sciences at various periods of development. Lectures, collateral reading, reports and thesis. Open to graduate students and seniors who take

or have taken Chemistry 15 and 19 or equivalent courses. Required for advanced degrees in chemistry.

Half course, second semester. Tu. Th., 11.

MR. MERIGOLD

**214. Advanced Quantitative Analysis** (including gas analysis). Prerequisite, course 14. Lectures and laboratory work, nine hours per week.

Through the year. Tu. Th., 2.

MR. MERIGOLD

Given in the first semester only, 1942-43.

**215. Honor Course.** Primarily for candidates for "honors in chemistry."

STAFF OF THE DEPARTMENT

**216a or b. Inorganic and Organic Synthesis.** Preparation of pure materials. Chiefly laboratory work.

Half course. Hours to be arranged.

Omitted, 1942-43.

MR. BULLOCK AND MR. MARTELL

**233b. Physical Organic Chemistry.** Lectures on the physical aspects of organic chemistry.

Half course, second semester. M.W.F., 10

MR. BULLOCK

Omitted, 1942-43.

#### COURSES PRIMARILY FOR GRADUATE STUDENTS

**32. Advanced Physical Chemistry.** Lectures on thermodynamics, electrolytic solutions, theories of reaction rates, and quantum statistics. Selected special topics will be taken up according to the time available and the needs of the class.

Three hours, first semester. M. W. F., 11.

MR. MARTELL

To be replaced after 1942-43 by the following courses.

**31a. Nature of the Chemical Bond.** Lectures on the latest theories of chemical structure, with special reference to organic chemistry.

Two hours, first semester. W. F., 10.

MR. BULLOCK AND MR. MARTELL

To be offered in 1943-44 and in alternate years.

**31b. Colloid Chemistry.** Lecture course dealing particularly with application to rubber and plastics.

Two hours, second semester.

MR. BULLOCK

**321a. Advanced Physical Chemistry.** Lectures on the properties of gases, liquids, solutions and crystalline solids. Relation of physical properties to chemical constitution.

Two hours, first semester. M. W., 11.

MR. MARTELL

To be offered in 1943-44 and in alternate years.

**321b. Chemical Thermodynamics.** Lectures on the principles of thermodynamics, with applications to a wide variety of chemical phenomena.

Three hours, second semester. M. W. F., 11. MR. MARTELL

To be offered in 1943-44 and in alternate years.

**322a. Elementary Quantum Mechanics.** Lectures on the principles of quantum and wave mechanics, with applications to electronic theory and interpretation of spectroscopic data.

Three hours, first semester. M. W. F., 11. MR. MARTELL

Offered in alternate years.

**322b. Advanced Physical Chemistry.** Lectures on homogeneous and heterogeneous equilibria, phase rule studies, reaction kinetics, electrolytic conduction, electrode potentials, electrolysis and polarization.

Three hours, second semester. M. W. F., 11.

To be offered in 1944-45 and in alternate years. MR. MARTELL

**33. Advanced Organic Chemistry.** Lectures on selected subjects in organic chemistry.

Two hours, first semester. Tu. Th., 11. MR. BULLOCK

**34. Advanced Inorganic Chemistry.** Lectures on selected topics in inorganic chemistry.

Two hours, through the year. Tu. Th., 9. MR. MERIGOLD

**35. Seminar.** Staff and graduate students. Reports on research work being carried on in the laboratory and reports and discussions of recently published work in related fields.

Once a week, through the year. W., 4.

STAFF OF THE DEPARTMENT

**314. Research in Inorganic Chemistry.** MR. MERIGOLD

**315. Research in Organic Chemistry.** MR. BULLOCK

**318. Research in Physical Chemistry.** MR. MARTELL

DEPARTMENT OF ECONOMICS AND  
SOCIOLOGY

PROFESSOR BRANDENBURG, PROFESSOR LUCAS, ASSOCIATE PROFESSOR  
MELDER, ASSISTANT PROFESSOR EHLERS, ASSISTANT  
PROFESSOR HARGEST

The first aim of the department, in its undergraduate courses, is to give the student a comprehensive grasp of the underlying principles and functions of our economic and social institutions, and to develop habits of systematic and unbiased thought about these institutions. Some of the courses, however, contribute, to the student's preparation for a business or professional career (courses 13, 15a, 22, 26, etc.); others are specifically recommended to students who are candidates for the degree of Bachelor of Business Administration (courses 13, 27a, 211, etc.) Conversely, some students majoring in economics may be advised to elect certain courses offered in the Division of Business Administration (courses 117, 16, 20, etc.).

Economics 11 is a prerequisite to all other courses in economics, with the possible exception of Economics 14a and 14b, and is required of all majors in the department. Courses taken outside the department in partial fulfillment of the major requirement should be selected, subject to departmental approval, so as to provide a unified program centering about the student's major interest.

Candidates for departmental honors will engage in a program of independent study consisting of reading and research designed in part to give them specialized training in the fields of their major interest and in part to supplement formal courses. Ordinarily a student will not begin his independent study until the second semester of the junior year, nor will he undertake the equivalent of more than two courses in this manner.

In making elections, students should bear in mind that many advanced courses are offered only in alternating years.

## GRADUATE WORK

Students expecting to enter upon graduate work should have mastered creditably, basic courses in economics equivalent to at least four courses, including Economics 11; those whose preparation is inadequate should expect to remove the deficiency before proceeding to study for a higher degree.

A range of courses sufficient for the needs of candidates for the doctorate is offered in cycles of two or three years. The classification of courses as undergraduate, intermediate, and graduate is necessarily an elastic one. Graduate students electing courses in the undergraduate category will be required to do additional work.



Fellowships, scholarships, assistantships, and other aids are available to a limited number of worthy students.

Attention is directed to closely allied courses offered in geography, history and international relations, and psychology.

## ECONOMICS

### COURSES PRIMARILY FOR UNDERGRADUATES

**10. Social Science Survey.** An introduction to methods and materials of the social sciences preparatory to later work in these fields.

For freshmen. Others will receive reduced credit.

Through the year.

Omitted, 1942-43.

**11. Principles of Economics.** An introduction to the fundamental economic principles, together with a study of the practical application of these principles to the problems of American life.

Indivisible course.

Through the year. Tu. Th. S., 10.

MR. LUCAS

**117. (Business Administration 17) Principles of Accounting.**

**13. Money and Banking.** The principles of money and banking with special reference to their functions in the present economy. The theory of value of money, control of the money market and the problem of money and credit in the world economy are given detailed consideration.

Indivisible course.

Through the year. M. W. F., 9.

MR. EHLERS

**14a. Economic History of Western Europe Since 1700.** The development of European industry and commerce since the Industrial Revolution.

Half course, first semester.

Omitted, 1942-43.

**14b. Economic History of the United States.** Such topics as the following will be discussed: economic life in the colonies; the development of agriculture and manufactures; changes in methods of transportation; domestic and foreign commerce; tariff policy; currency and public finance; industrial combination.

Half course, second semester.

Omitted, 1942-43.

**15a. Public Finance.** The principles of governmental expenditures, revenues, and debts, with particular reference to the United States.

Half course, first semester. M. W. F., 10.  
Omitted, 1942-43.

MR. EHLERS

**16. (Business Administration 16). Business Statistics, Business Charts, Graphs and Reports.**

Through the year. M. W. F., 10.

MR. HARGEST

**18. (Business Administration 18). Business Organization and Finance.**

Through the year. Tu. Th. S., 11.

MR. LUCAS

COURSES FOR ADVANCED UNDERGRADUATES AND  
GRADUATE STUDENTS

**20. (Business Administration 20). Business Law.**

Through the year.  
Omitted, 1942-43.

MR. MELDER

**22. Labor Problems.** A study of the development of worker and employer organizations, collective bargaining, industrial disputes and methods of prevention and settlement. The second semester is devoted largely to the study of legislative control of industrial relationships and the Social Security program.

Through the year. M. W. F., 11.

MR. BRANDENBURG

Omitted, 1942-43. Offered in alternate years.

**210a. Economic and Social Reform.** The historical and critical study of various programs. Prerequisite, Economics 14.

Half course, first semester. M. W. F., 11.

MR. BRANDENBURG

Omitted, 1942-43.

**211b. Contemporary Economic Systems.** A study of totalitarian economic systems particularly of Russia, Italy, Germany, and Japan; a comparison of autarchy and free capitalism in the modern world; changes in international economic techniques consequent on totalitarian economics. Prerequisite Economics 210a or its equivalent.

Half course, second semester. M. W. F., 11.

MR. BRANDENBURG

To be omitted, 1943-44.

**23a. Economics of War.** What economic mobilization for modern war means in terms of labor, resources, civilian and military economic preparation; necessary restraints on private enterprise and the extension of governmental controls; economic problems to be faced in post-war reconstruction era.

Half course, first semester. M. W. F., 11.

MR. BRANDENBURG

**24a. (Business Administration 24a). Marketing.**

Half course, first semester. Tu. Th. S., 11.

MR. MELDER

**240b. Economics of Consumption.**

Theories of consumption, the relation of consumption patterns to other aspects of economic organization, private and social controls of consumption; consumer movements, planes of living, and other consumer problems.

Half course, second semester. Tu. Th. S., 10.

MR. MELDER

To be omitted, 1943-44. Offered in alternate years.

**25. Problems in Public Finance.**

The relationship between fiscal policy and business cycles. Detailed consideration is given to the changing role of fiscal policy in the United States: problems of fiscal policy in war-time are also given consideration.

Through the year. M. W. F., 10.

MR. EHLERS

**26. Government and Industry.**

An analysis of the function of government in controlling economic activity, including theories of control, historical development of control, and such special problems as the regulation of trusts, public utilities, and railroads.

Indivisible course.

Three hours, through the year. Tu. Th. S., 9.

MR. LUCAS

To be omitted, 1943-44.

**27a. International Trade: Theory and Finance.**

The nature, theoretical basis, methods of financing, and governmental control, of the international movement of goods. Economics 13 is a desirable preliminary course.

Half course, first semester. Tu. Th. S., 11.

MR. LUCAS

Omitted, 1942-43.

**28. Research in Selected Economic Problems.**

Limited enrollment; consent of the instructor required.

Credit and hours to be arranged. THE STAFF OF THE DEPARTMENT

**29b. Economics of Transportation.**

History and present status of rail, water, and highway transport; rate-making; public regulation, government operation, and chief problems of the present.

Half course, second semester. Tu. Th. S., 11.

MR. LUCAS

Omitted, 1942-43.

See also announcement of courses offered in the Division of Business Administration. The department will approve the courses listed below (possibly others in particular cases) for credit towards the degree of Bachelor of Arts, and in partial completion of a major in economics.

B.A. 117. Principles of Accounting.

B.A. 16. Business Statistics.

B.A. 18. Business Organization and Finance.

B.A. 20. Business Law.

## COURSES PRIMARILY FOR GRADUATE STUDENTS

**31. International Economic Policies.**

First semester. A study of the teachings of various groups of economists from the Mercantilist Era to the present day in respect to national economic policies and international economic relationships, together with an estimate of the influence of these teachings on economic developments.

Second semester. A continuation, with emphasis on actual economic policies of nation states in respect to trade, markets, navigation, raw materials, etc.; efforts at peaceful collaboration as seen in economic conferences, regional agreements, trade reciprocity and treaties, economic unions, etc.

Two hours, through the year. W., 4-6.

MR. BRANDENBURG

**38. History of Economic Thought.**

First semester, to the end of the 18th century. After giving brief attention to Greek and Roman antiquity and to the Middle Ages, the contributions of the Mercantilists, the Physiocrats and Adam Smith are examined.

Second semester, modern economic thought. Attention is given rather to the history of thought than to analytical criticism of specific doctrines.

Three hours, through the year. Tu. Th., 4.

MR. EHLERS

**39. Value and Distribution.** Analytical discussion of the theories of representative modern economists.

Indivisible course.

Through the year. Hours to be arranged.

Omitted, 1942-43.

**311. Seminar in Economics and Sociology.** Fortnightly round table on investigations by members of the seminar. Occasional outside speakers. All full-time graduate students in the department are required to attend. Credit for not more than one hour through the year may be allowed for this course.

Second and fourth Thursdays of each month at 7:30.

THE STAFF OF THE DEPARTMENT

## SOCIOLOGY

## COURSES PRIMARILY FOR UNDERGRADUATES

**11. Principles of Sociology.** What is society, and what are its fundamental inter-relationships? In attempting to answer these questions the course gives a comprehensive view of sociology as a social science, and serves as a solid base for further study in the field.

Indivisible course.

Through the year. Tu. Th. S., 9.

See also Economics 10 and 11.

MR. MELDER



COURSES FOR ADVANCED UNDERGRADUATES AND  
GRADUATE STUDENTS

**27a. Educational Sociology.** A study of education (organized and unorganized) and intellectual leadership in their relationships to politics, government, the family, religion, patriotism, business cycles, and other socio-economic phenomena. Education in the United States as it is and as it may be, will receive particular attention.

A third hour of credit may be arranged for properly qualified students.

Two hours, first semester.

MR. MELDER

Omitted, 1942-43.

See also Economics 22, 210, 211, 240, and 311.

## DEPARTMENT OF ENGLISH

PROFESSOR AMES, PROFESSOR DODD, PROFESSOR ILLINGWORTH,  
MR. MARBLE, MR. HOYT

The first term of English 11 is required of all freshmen. Students attaining a B grade or better in the first semester of English 11 may, with the approval of the instructor in English 11, and with the permission of the department, substitute for the second semester of English 11 any course in literature or composition which is elective to sophomores. Candidates for the degree of Bachelor of Business Administration take course B.A. 14, Business English, in the second semester of the freshman year.

A major in English consists of seven courses, not less than four of which and not more than five must be in English literature or composition, the others in related subjects. The following courses are prescribed for a student electing a major in English: English 13, 15, and three semesters chosen from English 113, 122, 146, 142 (one semester only). English 11 may not be counted as part of a major in English.

## THE PRENTISS CHENEY HOYT PRIZE IN POETRY

A prize of fifteen dollars is awarded annually by the Department of English for the best poem by an undergraduate. This is the interest on a fund established by the alumni as a memorial to Prentiss Cheney Hoyt, Professor of English at Clark University from 1909 to 1920.

## COURSES PRIMARILY FOR UNDERGRADUATES

**11. English Composition.** This course aims to increase clarity and accuracy of expression in writing, and to teach the ways in which words convey meaning. Weekly written papers, primarily of an ex-

pository nature, are assigned, together with readings of varied subject matter and book reports.

Required of freshmen.

Through the year. Tu. Th. S., 9, 10 and 11, first semester; 9 and 11, second semester. MR. HOYT AND MR. MARBLE

**11b. First Half of English 11.** Given for students admitted to the college in January, 1943.

Half course, second semester. Tu. Th. S., 9. MR. AMES

**12. Public Speaking.** A course in the composition and delivery of speeches and practice in impromptu speaking. The aim of the course is to train the student to think logically and to speak simply and effectively when on his feet.

Open to freshmen.

Through the year. M. W. F., 9. MR. ILLINGWORTH

**13a. Shakespeare.** A general survey of Shakespeare's works, including the reading and class discussion of twelve plays. Elective for juniors and seniors.

Half course, first semester. Tu. Th. S., 10. MR. AMES

**14b. Business English.** Application of the principles of composition to several types of business correspondence, including letters of application, collection, and adjustment, sales letters, and business reports.

Open to freshmen.

Half course, second semester. Tu. Th. S., 9. MR. MARBLE

**15. A Survey of English Literature.** A course in English literature from its beginning to the end of the eighteenth century. Elective for juniors and seniors.

Through the year. M. W. F., 10. MR. AMES

**16b. English Composition.** Open to students who have attained high standing in English 11.

Half course, second semester. M. W. F., 11. MR. MARBLE

Omitted, 1942-43. To be offered in 1943-44.

**18b. The Bible as Literature.** Elective for juniors and seniors.

Half course, second semester. Tu. Th. S., 10. MR. AMES

**110b. English Literature of the Nineteenth Century.** Elective for juniors and seniors.

Half course, second semester. Tu. Th. S., 9. MR. MARBLE

**111. American Literature.** Elective for juniors and seniors.

Through the year. M. W. F., 11. MR. AMES

**113a. British Drama.** From the mysteries and moralities to Barrie, Shaw and Galsworthy.

Open to freshmen.

Half course, first semester.

MR. DODD

**114a. Elizabethan Drama.**

Half course, first semester.

MR. MARBLE

**121a. Biography and Letters.** The biography, autobiography and correspondence of distinguished authors, painters and sculptors, from the eighteenth century to the present. This course is open only to upper classmen who are proficient in English.

Half course, first semester. Tu. Th. S., 10.

MR. DODD

**122b. Modern Poetry.** A study, in representative contemporary poets, of the new tendencies in verse. Opportunity is afforded for original verse composition. Open only to upper classmen who are proficient in English.

Half course, second semester.

MR. DODD

**124b. American Drama.** A study of the American drama from colonial times to the present.

Open to freshmen.

Half course, second semester. Tu. Th. S., 9.

MR. DODD

Omitted, 1942-43.

**125a. The Short Story.** Representative short stories in English and American literature.

Open to freshmen.

Half course, first semester. Tu. Th. S., 9.

MR. DODD

Omitted, 1942-43.

**126b. Modern Continental Drama.** A companion course to British Drama.

Open to freshmen.

Half course, second semester.

MR. DODD

**131b. The Age of Chaucer.** A study of selections from Chaucer's works and of their relation to those of his contemporaries, to his backgrounds, and to English literature.

Second semester. Tu. Th. S., 10.

MR. HOYT

**140a. The Appreciation of Literature.**

Half course, first semester.

MR. ILLINGWORTH

**142. The English Novel.** First semester, a study of the novel from its beginning to Thomas Hardy

Second semester, the modern novel.

Open to freshmen.

Through the year. M. W. F., 8.

MR. ILLINGWORTH

Given in second semester only, 1942-43.

**143b. Argumentation and Debate.** A systematic study of the principles and practice of argumentation.

Half course, second semester. M. W. F., 9.

MR. ILLINGWORTH

Omitted, 1942-43.

**145a. Stagecraft.**

Open to freshmen.

Half course, first semester.

Omitted, 1942-43. To be offered in 1943-44.

**145b. Acting.**

Half course, second semester.

Omitted, 1942-43. To be offered in 1943-44.

**146b. Oral Interpretation of Literature.**

Half course, second semester.

Omitted, 1942-43. To be offered in 1943-44.

## DEPARTMENT OF FINE ARTS

LORING HOLMES DODD, *Professor of Rhetoric, Curator of Art, Chairman of the Department of Fine Arts.*

T. CHARLES LEE, *Instructor in Music, Director of Musical Organizations.*

CHARLES H. SAWYER, *Director, Worcester Art Museum.*

HERBERT BARNETT, *Head of Department of Drawing, Painting and Sculpture, School of the Worcester Art Museum.*

*With the coöperation of:*

HAVEN D. BRACKETT, *Professor of Greek and Latin.*

DAVID M. DOUGHERTY, *Associate Professor of Romance Languages.*

ROBERT S. ILLINGWORTH, *Professor of Dramatic Art.*

A student who intends to major in fine arts (the visual arts) or who intends to offer courses listed as "fine arts" as a part of a major in another department is expected to take the course "Introduction to the Visual Arts" before electing other courses in this department.

A major in fine arts (the visual arts) will include:

- 1) The basic course, Fine Arts 1, Introduction to the Visual Arts, completed before the end of the sophomore year;
- 2) Fine Arts 111, Practical Art;
- 3) The equivalent of two other courses designated as "fine arts";
- 4) One course chosen from the following list: French 113, Greek 17, Spanish 113;



5) History 11, completed before the end of the sophomore year;

The group of courses chosen to constitute a major must be approved by the department in each case.

A major in music is not offered. Courses in music may be included in a major in the visual arts subject to the restrictions stated in the preceding paragraph.

The courses listed below are offered by the University in coöperation with the Worcester Art Museum and are open to students of either institution.

#### COURSES PRIMARILY FOR UNDERGRADUATES

**Fine Arts 1. Introduction to the Visual Arts.** A general introductory course in the appreciation and history of the visual arts.

First semester, Architecture and Sculpture. A study of architectural design and construction as applied to a few of the great historical monuments of Europe, and later in terms of American colonial and modern architecture. The principles of design established in the architectural section provide the foundation for a brief analysis of a few of the great masterpieces of sculpture. Two illustrated lectures per week; assigned reading; field trips.

Second semester, Pictorial Art. A continuation of the first semester's work with special reference to the paintings in the collections of the Worcester Art Museum, where the course will be held. The first semester's work is a prerequisite for the second half of the course, except in special cases, at the discretion of the instructor. Illustrated lectures; assigned readings; field trips.

Open to freshmen.

Through the year.

MR. SAWYER

Offered in alternate years. To be omitted, 1943-44.

**Fine Arts 10a. The Art of My Country.** American accomplishment in painting, sculpture and architecture. Illustrated lectures, assigned readings, field trips.

Open to freshmen.

Half course, first semester. M. W. F., 9.

MR. DODD

**Fine Arts 11b. French and English Painting, 18th and 19th Centuries.** Field trips are required. Fine Arts 10 is a prerequisite for freshmen, who are admitted only in special cases, at the discretion of the instructor.

Half course, second semester. M. W. F., 9.

MR. DODD

Omitted, 1942-43.

**Fine Arts 111. Practical Art—Drawing and Painting.** This course is designed to develop the individual creative ability of the student and to provide him with a technical proficiency in the vari-

*Fine Arts 13b. Painting in Europe in the 17th Century.*

*Half course, second semester. M. W. F., 9.*

*Mr. Dodd*

ous media of artistic expression. Drawing and painting from the cast and model; still life painting; lectures and assigned reading.

Students electing this course are charged a fee of \$10 each semester in addition to the regular tuition. There is also an initial expense estimated at about \$10 for materials, and a slight expense for replacement as the course progresses through the year.

Through the year. Six hours per week at the School of the Worcester Art Museum. M. Tu., 2-5. MR. BARNETT

**Music 12. A survey course.** The course begins with Carl Philipp Emmanuel Bach and the genesis of sonata-form, and extends to the contemporary scene. The Vienna classicists, the romantic movement, the rise of impressionism, the so-called modernists are treated in the various types of music to be heard in concert-hall, opera house, and over the radio.

An indivisible course, except that qualified students may be admitted at the beginning of the second semester with the consent of the instructor.

Elective for sophomores, juniors, and seniors.

Through the year. M. W. F., 11.

MR. LEE

**French 113. Introduction to French Civilization.** A selective survey of the history, art, and literature of France, from the Middle Ages to the present time, given in coöperation with the Worcester Art Museum.

French 113 may not be counted in fulfillment of the requirement in foreign language.

Through the year.

Omitted, 1942-43. Offered in alternate years.

**German 14 and 141. Germanic Civilization.** An illustrated lecture course on the cultural development of northern Europe from Indo-European times through the Renaissance and classical period. Given in coöperation with the Worcester Art Museum.

In German 14 the required reading is entirely in English. German 141 requires extensive reading in German and yields credit in foreign language. The basic content is the same in both courses.

Through the year. At the Worcester Art Museum, one afternoon weekly, other meetings at the University.

Omitted, 1942-43.

**Greek 17. Greek Civilization.** This course will cover the period from the beginnings of Greek history to 146 B.C.

Open to freshmen with the consent of the instructor.

Through the year. Tu. Th. S., 11.

Omitted, 1942-43.

MR. BRACKETT

**Spanish 113. Introduction to Latin-American Civilization.** A survey of the art, history, and literature of the Latin-American countries from pre-conquest times to the present day. Weekly two-hour meetings at the Worcester Art Museum are divided between lectures and the showing and discussing of lantern slides and photographs. A third hour weekly, at the college, is required of undergraduates. A reading knowledge of Spanish, though highly desirable, is not a prerequisite for this course.

Through the year. Tu., 4:15; W., 12.

A new course. To be offered in 1943-44 by Professor Dougherty and Miss Marian B. Davis, A.M., lecturer in the history of art at the Worcester Art Museum.

**English 145a. Stagecraft.**

Open to freshmen.

Half course, first semester.

Omitted, 1942-43.

## GEOGRAPHY

A complete statement of the aims and of the offerings in geography will be found in the announcement of the Graduate School of Geography.

## DEPARTMENT OF GEOLOGY

### PROFESSOR LITTLE

#### COURSES PRIMARILY FOR UNDERGRADUATES

**12. General Geology.** A course dealing with the origin of scenery, the classification of rocks, the structure of the earth, the geography of the past, and the evolution of life. Three recitations and one laboratory period or field trip weekly. Attendance on one out-of-town field trip lasting two to four days is required.

Indivisible course.

Through the year. M. W. F., 8; Th., 2.

MR. LITTLE

The following courses are offered occasionally on special request of four or more students.

**121b. Crystallography, Mineralogy, and Blowpipe Analysis.** An elementary course on the identification of minerals by their geometrical, physical, and chemical properties. Two class meetings and one laboratory period weekly. General geology is not a prerequisite for this course.

Half course, second semester.

Omitted, 1942-43.



**122b. Economic Geology.** A course dealing primarily with the origin of the deposits of useful minerals with some reference to their more important occurrences throughout the world. Elementary chemistry and geology provide a desirable preparation for this course. Two class meetings and one laboratory period weekly. Geology 121 is a prerequisite.

Half course, second semester.

Omitted, 1942-43.

## DEPARTMENT OF GERMAN

ASSOCIATE PROFESSOR BOSSHARD

*With the coöperation of HAVEN D. BRACKETT, Professor of Greek and Latin*

The Department of German provides courses for the acquisition of a reading knowledge, for the fulfillment of the general requirement in foreign languages and for the completion of a major in German. German 112 is a course for upper classmen and graduate students; the courses numbered 11, 12, 13 form a regular sequence leading up to a good reading knowledge. German 131, "Practice in Speaking and Writing German," is a course preparing for mastery of the language, necessary for teaching and recommended for advanced work in literature. Courses designated as "advanced courses in literature," numbered 141, or higher, have as a prerequisite: German 13 or 131, or an achievement test in reading, writing and oral use of the language.

### COURSES PRIMARILY FOR UNDERGRADUATES

**11. Elementary German.** Vocabulary drill, pronunciation and grammar; composition, reading of easy prose.

Indivisible course. Two independent sections.

Open to freshmen.

Through the year. M. W. F., 9.

MR. BOSSHARD AND MR. BRACKETT

**12. Second Year German.** Reading, thorough review of grammar essentials, exercises in composition. Prerequisite, German 11.

Open to freshmen. Two independent sections.

Through the year. Tu. Th. S., 9.

MR. BOSSHARD

**112. Basic German.** Open to juniors, seniors, and graduate students. Designed to make possible, with intensive application, the acquisition of a reading knowledge in German in one year, stressing an exact knowledge of the basic vocabulary, the fundamental points of grammar and sentence structure.

Through the year.

Omitted, 1942-43.

MR. BOSSHARD



**13. Third Year German.** Extensive reading, chiefly in modern literature, grammar review, composition. Prerequisite, German 12. Open to freshmen.

Through the year. Tu. Th. S., 11.

MR. BOSSHARD

**131. Practice in Speaking and Writing.** Intensive linguistic work for prospective teachers and other students intending to continue with advanced work in German. After the month of October the course is conducted in German. Prerequisite, satisfactory work in German 12.

Open to freshmen.

Through the year. M. W. F., 8.

Omitted, 1942-43.

MR. BOSSHARD

**14 and 141. Germanic Civilization.** An illustrated lecture course on the cultural development of northern Europe from Indo-European times through the Renaissance and Classical period, given in cooperation with the Worcester Art Museum.

German 14, in which the reading is entirely in English, may be counted toward fulfillment of the general requirement in Fine Arts, but not toward language credit. German 141, with extensive reading in German, will include language credit.

Through the year. At the Worcester Art Museum, one afternoon weekly; other meetings at the university.

Omitted, 1942-43.

#### ADVANCED COURSES IN LITERATURE

**141. Germanic Civilization.** See statement under 14 and 141 above.

**151a. Classical and Nineteenth Century German Grammar.** Reading and discussion of select plays of Lessing, Goethe, Schiller, Kleist, Hebbel, Wagner, Hauptmann, and others.

Half course, first semester.

Omitted, 1942-43.

**152b. The German Novel of the Nineteenth and Twentieth Centuries.** Select novels, and novellen from the Romantic period to the present.

Half course, second semester.

Omitted, 1942-43. Offered on request.

**153. Contemporary German Literature.** Lectures, readings. Through the year.

Omitted, 1942-43. Offered in alternate years.

MR. BOSSHARD

**161a. Lyric Poetry.** A survey of representative German lyric poetry.

Half course, first semester. M. W. F., 11.

MR. BOSSHARD

**162b. Goethe's Faust.** A study of this Drama, its message, and of the poet's own development and the evolution of the literary and philosophic currents of his time.

Half course, second semester. M. W. F., 2.

MR. BOSSHARD

**17. Survey of German Literature.** Lectures, readings, and assigned topics in German literature from the beginnings to the present, against a background of Germany's historical development.

Through the year.

Omitted, 1942-43.

**182b. Advanced Reading in German Philosophy.** A brief general introduction to philosophy in general. Reading chiefly of modern German philosophers.

Half course, second semester. M. W. F., 11.

MR. BOSSHARD

Omitted, 1942-43.

**19. Seminar for Honor Students.**

Through the year.

MR. BOSSHARD

## DEPARTMENT OF HISTORY AND INTERNATIONAL RELATIONS

PROFESSOR BLAKESLEE, PROFESSOR JORDAN, ASSISTANT PROFESSOR  
DENNETT, ASSISTANT PROFESSOR ROZWENC

### UNDERGRADUATE WORK

The aim of the department in its undergraduate work is to give a broad knowledge of the more significant aspects of the growth of the leading countries of the world. This includes the study not only of the important facts, but more especially of the processes of development in government, diplomacy, society, business, religion, science, and education.

History 11, primarily for freshmen, is open to members of all classes and is ordinarily prerequisite for other courses taken by those majoring in this department. Students who are not majoring in this department may, in some instances, elect other courses whose numbers begin with (1) without having previously taken History 11.

### GRADUATE WORK

The distinctive feature of the graduate work is the emphasis it

places upon the various aspects of international relations. Without neglecting the political, economic and social history of preceding centuries, particular stress is laid on the modern diplomacy and international relations of the United States, Europe, the British Empire, and the Far East.

The various courses offered in the department are so arranged, in cycles of two or three years, that students working for the doctorate will be able to secure a full program each year. A feature of the method of instruction in the department is the frequent informal conferences between instructor and student, and the seminar method in many of the courses.

Particular attention is called to related work offered in the fields of geography and economics. The Division of International Affairs, whose announcement may be consulted, lists many of the courses which may be interesting in this connection.

#### GOVERNMENT AND POLITICAL SCIENCE

The following courses, given in the department of history and international relations, are frequently listed under a separate department of government and political science.

- 12. European and American Governments.
- 18. A survey of International Relations.
- 214. Constitutional Law in the United States.
- 231. International Law.
- 205. History of Political Thought.
- 30. Problems in International Relations.
- 33. Foreign Relations of the United States.

#### COURSES PRIMARILY FOR UNDERGRADUATES

**11. Introduction to the History of Europe.** The course covers the period from the fall of Rome to the present time, and serves as a general introduction to further historical study.

Open to freshmen. See departmental announcement above.

Through the year. Tu. Th. S., 10.

MR. JORDAN AND MR. DENNETT

**12. European and American Governments.**

a. First semester: *The Leading Governmental Systems of Europe.*

b. Second semester: *Development of American Political Institutions.* A survey of the development of American government and politics with special emphasis on the growth of governmental functions and agencies in the twentieth century.

Either half of the course may be elected without the other.

Through the year. Tu. Th. S., 11.

MR. ROZWENC

Given in the second semester only, 1942-43.

**15b. History of England.** Dealing primarily with British history since the fifteenth century this course forms a background for the study of American history and English literature, and leads to an understanding of England's present place in the world.

Half course, second semester. M. W. F., 10.

MR. JORDAN

Omitted, 1942-43.

**16. England Since 1760.** A study emphasizing particularly questions of democracy, imperialism, and survival.

Through the year. M. W. F., 10.

MR. JORDAN

**17. American History Since 1783.** After a brief survey of the American Revolution, the course will treat carefully the period since 1783. Divisible only with the approval of the instructor.

Through the year. Tu. Th. S., 9.

MR. ROZWENC

**18. A Survey of International Relations.** A general survey of the whole field of international relations which will furnish a foundation for further and more specialized work.

Through the year. M. W. F., 9.

MR. DENNETT

#### COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATE STUDENTS

**20. Europe Since 1848.** The internal and external development of the major European nations with special emphasis on the period from 1870 to the present. History 15 in addition to History 11 desirable as a prerequisite.

Through the year. Tu. Th. S., 11.

MR. DENNETT

**21a. Great Britain in Two Wars, 1914-18 and 1939-42.** England's struggle to maintain herself as a world power will be considered from the point of view of pre-war preparations as well as of the conduct of war-time operations. Students will be asked to report on special topics.

Half course, first semester.

MR. JORDAN

Omitted, 1942-43.

**22. The Pacific and the Far East.** The course deals especially with China, Japan, Russia in Asia, the islands of the Pacific, the Far Eastern policies of the United States and the existing war.

Through the year. M. W. F., 10.

MR. BLAKESLEE

**25a. Recent History of the British Empire.** A consideration of the nature and problems of the Empire, mainly in the twentieth century.

Half course, first semester. M. W. F., 11.

MR. JORDAN

Omitted, 1942-43.



**27b. Conflicts of Modern Political Thought.** A survey beginning with the French Revolution and stressing ideas of present interest.

Half course, second semester. M. W. F., 11. MR. JORDAN  
Omitted, 1942-43.

**28. History of the British Empire.** In the second semester the course will deal with developments and problems since 1870.

Through the year. MR. JORDAN  
Omitted, 1942-43.

**29a. Russia and the Near East.** Particular emphasis is laid on modern times and on international relations. The aim of this course is to present Russian internal development from the origin of the Kievan state to the present time with special emphasis on the revolution of 1917 and the Soviet regime since that date.

Half course, first semester. MR. DENNETT

**201. Social and Intellectual History of the United States.** The evolution of American life from the Revolution to the present day, with emphasis upon the social customs, economic influences, racial contributions, religious beliefs, and humanitarian movements.

Through the year. Tu. Th. S., 10. MR. ROZWENC

**205. History of Political Thought.** A historical course, in which the development of thought is stressed rather than the theories of individual writers.

Through the year. M. W. F., 11. MR. JORDAN

**214. Constitutional History of the United States.** Major emphasis is placed on recent developments and the present interpretations of our basic law.

Through the year. Tu. Th. S., 10. MR. ROZWENC  
Omitted, 1942-43.

**231. International Law.** A general course adapted for advanced students who will do a large amount of outside reading.

Through the year. M. W. F., 9. MR. BLAKESLEE

**232. European International Relations Since 1870.** A study of the diplomatic history of Europe from the Congress of Berlin to the present time.

Through the year. Tu., 2-4; Th., 4.  
Omitted, 1942-43.

**235b. History of British India.** Particular attention will be paid to the place of India in the contemporary world.

Half course, second semester. W., 2-4; Th., 2-3. MR. JORDAN

**242a. The United States in the Twentieth Century.** A synthesis of the political, social, and economic forces in the development of the United States from Roosevelt to Roosevelt.

Half course, first semester.

MR. ROZWENC

#### COURSES PRIMARILY FOR GRADUATE STUDENTS

**30. Problems in International Relations.** An intensive study of present outstanding problems, especially those which involve the policies, interests, and obligations of the United States.

Two hours, through the year.

MR. BLAKESLEE

Omitted, 1942-43.

**33. Foreign Relations of the United States.** The history of the foreign relations of the United States from 1783 to the present.

Two hours, through the year. M., 3-5.

MR. BLAKESLEE

**34a. American Colonial History to 1763.** The European background of American history and the political and social development in the colonies.

Two hours, first semester. Tu., 3-5.

Omitted, 1942-43.

**320a. England Since 1865.** Students will be expected to read widely and to undertake a small amount of individual research.

Two hours, first semester. W., 3-5.

MR. JORDAN

Omitted, 1942-43.

**38a. European International Relations Since 1930.** The emphasis in this course is upon international affairs, although some attention is paid to internal developments in the more important states in order to make clear the causes and course of the war which broke out in 1939.

Two hours, first semester.

Omitted, 1942-43.

**342. The Influence of Westward Expansion in American Development.** The westward movement from colonial times to the passing of the frontier will be discussed in detail.

Two hours, through the year. Tu., 4-6.

MR. ROZWENC

Omitted, 1942-43.

**351. Research in the International Relations of the United States.**

MR. BLAKESLEE

**352. Research in the International Relations of the Pacific and the Far East.**

MR. BLAKESLEE

**353. Research in the History and International Relations of the British Empire.**

MR. JORDAN

**354. Research in the History and International Relations of Continental Europe.** MR. DENNETT

**355. Research in the History of the United States.** MR. ROZWENC

**36. Seminar.** The students in the department meet each week to study particular topics in international relations and to consider the results of investigation carried on in the department.

Weekly, through the year. Tu., 7:45.

MESSRS. BLAKESLEE, JORDAN, DENNETT AND ROZWENC

## MATHEMATICS

Since September, 1933, the Department of Mathematics has been combined with the Department of Physics. Professor Goddard is chairman of the combined departments.

## DEPARTMENT OF PHYSICS AND MATHEMATICS

### PHYSICS

ASSOCIATE PROFESSOR ROOPE, MR. GUNTER

#### UNDERGRADUATE WORK

The aim of the undergraduate work in physics is to give to the students a knowledge of the principles which are at the basis of modern applications of science to human affairs. It is deemed equally desirable to impart a knowledge of the methods and the results of modern physics which are so profoundly influencing our fundamental concepts and without which no one may be considered liberally educated. The department aims also to fit students with professional preparation for chemistry, meteorology and allied sciences, medicine, engineering and science teaching, as well as for professional or graduate work in physics.

Students should note that Physics 11 is a prerequisite for all other courses in physics here listed; also, that courses numbered 15 or higher require the use of "calculus" and should not be elected without consulting the instructor in charge.

Courses 15, 16 and 17 each require a limited amount of laboratory work to be done at the discretion of the instructor and at such a time that it will not interfere with regularly scheduled courses.

#### GRADUATE WORK

Because of the overloading of the staff by undergraduate courses,

graduate courses leading to the degrees of Doctor of Philosophy and Master of Arts are omitted during the absence of the chairman of the department, who is engaged in defense work.

#### COURSES PRIMARILY FOR UNDERGRADUATES

**11. General Physics.** During the first semester, the work covers mechanics and heat, and during the second semester, electricity and magnetism, wave motion, sound, and light. The textbook is Foley's *College Physics*. Mathematics 10 or 11 is advised, but not required.

Indivisible course.

Open to freshmen.

Through the year. M. W. F., 10; M. or Th., 2. MR. ROOPE

**13. History of Physics.** A conference course on the history of the various branches of Physics. This course is not accepted as part of a *major* or a *minor*. Prerequisite, Physics 11.

Through the year.

Omitted, 1942-43.

**14. Mechanical, Optical and Electrical Measurements.** During the first semester this course consists of electrical measurements with advanced problems in optics. In the second semester the course consists of laboratory exercises in dynamics, followed by advanced problems in heat.

Through the year. M. Tu. F., 2.

MR. GUNTER

**15. Thermodynamics.** This course includes a study of the thermal properties of the solid, liquid, and gaseous states, the laws of thermodynamics, and applications to a wide range of phenomena. Prerequisite, Physics 11.

Through the year. M. W. F., 9.

MR. ROOPE

**16. Optics.** Geometrical and physical optics including work in practical photography. Prerequisite, Physics 11.

Through the year. M. W. F., 9.

Omitted, 1942-43.

**17. Introduction to Modern Physics.** An elementary treatment of physical experiment and theory of the past fifty years including the more recent atomic and nuclear developments.

Through the year.

Omitted, 1942-43.

**18. Spectro-chemical Analysis.** Lectures and laboratory work involving the techniques and applications of spectographic analysis to industrial and research problems. First semester, qualitative



analysis; second semester, quantitative analysis. Prerequisites: Physics 11 and Chemistry 11. Enrollment limited to fifteen students.

Through the year. W. F., 12, and laboratory period. MR. GUNTER  
Omitted, 1942-43.

### 110b. Introduction to Naval Science.

*Mathematics:* Review of essentials of algebra, geometry, logarithms and trigonometry. Spherical trigonometry. Emphasis will be placed on speed and accuracy.

*Physics:* Vector problems treated by graphical and analytical methods. Elements of electrical circuits as required in communication. Geometrical optics with applications to atmospheric phenomena and to instruments.

*International Code of Signals:* Practice in international Morse code, flags and pennants, semaphore and blinker.

*Weather and Laws of Storms.*

*Charts and Maps:* Mercator, gnomonic, stereographic and Lambert projections.

Half course, second semester. Tu, Th, F., 12.

MR. ROOPE, with the collaboration of MESSRS.  
VAN VALKENBURG, GUNTER AND BURNHAM

## COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATE STUDENTS

**22. Theoretical Mechanics.** This course is a systematic presentation of theory together with the solution of problems. Mathematics 12 or Applied Mathematics 1 must be taken before or with this course.

Through the year. M. W. F., 8.  
Omitted, 1942-43.

MR. ROOPE

**23. Theory of Electricity and Magnetism.** This course treats the general principles of dynamo and motor design, high-frequency phenomena and the electron theory of matter. The prerequisites are Physics 11 and Mathematics 10 or 11; Mathematics 12 or Applied Mathematics 1 must be taken before or with this course. A knowledge of differential equations is desirable.

Through the year.  
Omitted, 1942-43.

**24. Electronics.** The theory and practice of electron conduction. Electron tube types and characteristics, and electronic circuits are covered. Emphasis throughout is on the practical application of electronics to research and industrial problems. Prerequisites: Physics 23 or satisfactory equivalent.

Through the year. M. W. F., 10 and laboratory period.

MR. GUNTER

**27. Preliminary Mathematical Physics.** This course involves reading on specially assigned topics. The object is to provide a comprehensive background for advanced work in physics. Open to undergraduate majors in physics.

Through the year.

MR. ROOPE

Omitted, 1942-43.

**28a. Laboratory Methods.** A course in the methods of preparing and presenting the results of experiments and the preparation by each student of a report on at least one assigned topic that involves reference tables and literature. Prerequisite, Physics 11.

Half course, first semester.

Omitted, 1942-43.

**216. Seminar.** Open to all physics students. Occasional meetings. No credit.

THE STAFF OF THE DEPARTMENT

## MATHEMATICS

ASSOCIATE PROFESSOR MELVILLE

*With the coöperation of:*

PERCY M. ROOPE, *Associate Professor of Physics*

ROY C. GUNTER, *Instructor in Physics and Mathematics*

Courses in mathematics are offered at the undergraduate level only. Freshman mathematics (algebra, trigonometry and elementary analytical geometry) is offered in two courses to which students are assigned on the basis of placement examinations. A second year course including analytical geometry and an introduction to the calculus is offered to those who complete either of the freshman courses. In addition, Mr. Melville offers such other courses as may be required from time to time, depending on the interests of the students. Mr. Roope has given a course in applied mathematics, chiefly calculus since 1940.

### COURSES PRIMARILY FOR UNDERGRADUATES

NOTE: Only freshmen or sophomores may elect Mathematics 10 or 11 for full credit. Juniors or seniors who complete the work of either of these courses will receive credit for two-thirds of a course.

**10. Freshman Mathematics.** For students whose preparation is not adequate for course 11. Algebra, trigonometry and graphics. Two independent sections.

Open to freshmen.

Through the year. M. W. F., 8, and Tu. Th. S., 8. MR. MELVILLE

**11. Freshman Mathematics.** For students whose records in placement examinations justify the expectation that they will be able to proceed more rapidly than those assigned to course 10. Algebra, trigonometry and elementary analytical geometry.

Open to freshmen.

Through the year. M. W. F., 8.

MR. GUNTER

**11b. Freshman Mathematics.** The first half of Mathematics 11, given for students who enter college in January.

Half course, second semester. M. W. F., 9.

MR. GUNTER

**12. Second Year Course.** Analytical geometry, differential and integral calculus.

Through the year. Tu. Th. S., 9.

MR. MELVILLE

**13. Calculus and Differential Equations.**

Through the year. M. W. F., 11.

MR. MELVILLE

**14. Selected Topics from Analysis and Geometry.** First semester, *Calculus of Variations*. Second semester, *Statistics*.

Through the year.

MR. MELVILLE

**15a. The Foundations of Algebra.**

Half course, first semester.

Omitted, 1942-43.

#### APPLIED MATHEMATICS

**Applied Mathematics 1.** Principally calculus, with special attention to the mathematical formulation and solution of practical problems.

Through the year. M. W. F., 11.

MR. ROOPE

To be omitted, 1943-44.

**Applied Mathematics 19a. Astronomy.** The first half of the course is chiefly descriptive, covering the main features of the heavens, celestial phenomena and the laws governing them, and the principal theories that have been devised to explain them. The second half covers celestial navigation using the latest standard methods and notation.

Half course, first semester. Tu. Th. S., 10.

MR. ROOPE

## DEPARTMENT OF PSYCHOLOGY AND EDUCATION

## DIVISION OF PSYCHOLOGY

PROFESSOR VERNON JONES, VISITING PROFESSOR CHARLOTTE BÜHLER, ASSISTANT PROFESSOR BROWN, ASSISTANT PROFESSOR FISCHER, ASSISTANT PROFESSOR (AFFILIATE) ROSENZWEIG, VISITING LECTURER RODNICK

The psychological laboratories at Clark University were established by G. Stanley Hall immediately after the founding of the university, and constituted the first adequately appointed laboratories in this field in America. These laboratories, under the direction of Edmund C. Sanford and John W. Baird, increased rapidly in size and in research possibilities. The university provides an annual appropriation for the purchase and manufacture of any apparatus that may be required.

## UNDERGRADUATE WORK

The aim of the department in its undergraduate work is to give as broad a knowledge as possible of the more significant aspects of psychology. This includes courses leading to graduate work in psychology and also courses involving the application of psychological principles to education and to industry.

Students majoring in the department will be divided into three groups: first, those who plan to do graduate work in psychology, second, those interested in general psychology but not contemplating graduate work, and third, those interested in educational psychology and education. The requirements for each of these classes are somewhat different and students who are interested should apply to the department for detailed requirements.

## GRADUATE WORK

Students who come with adequate training in elementary psychology supplemented by satisfactory training in allied fields, may expect to devote nearly all their time during the first year to advanced course-work. Such students will need to devote about half their time to course-work during their second year, and may expect to give the major part of their time to research after the second year.

Students planning to become candidates for the master's degree should confer with members of the staff as early as possible in order that a suitable thesis subject may be agreed upon.

Only graduate students with superior records are encouraged to become candidates for the doctor's degree. Such candidates are required to obtain exact information concerning all the significant



methods of psychological research and to demonstrate actual ability to use one or more of these methods in an original research which usually extends over at least two years.

COURSES PRIMARILY FOR UNDERGRADUATES

**11. General Psychology.** An introduction to the principles of human behavior. Prerequisite: sophomore standing.

Through the year. M. W. F., 10. MR. BROWN AND MR. FISCHER

**12a. Psychology of Vocational and Educational Adjustment.** The applications of psychology to the problems of learning and vocational choice.

Half course, first semester. Tu. Th. S., 8. MR. FISCHER

**16b. Social Development of Children and Youth.** A survey of the principles of social development of young people between the ages of ten and seventeen. Practical experience in directing recreational activities of children will be provided.

Half course, second semester. T. Th. S., 9. MR. V. JONES

**180. Introduction to Philosophy.** A general introduction to the problems and systems of philosophy.

Through the year. M. W. F., 9. MR. BROWN

Omitted, 1942-43. Offered in alternate years.

COURSES FOR ADVANCED UNDERGRADUATES AND  
GRADUATE STUDENTS

**201a. Educational Psychology.** A study of psychological principles as they bear upon learning and other problems of education.

Half course, first semester. Th., 1; F., 4-6. MR. V. JONES

**202b. Advanced Educational Psychology: Individual Differences.** The course includes a study of the gifted, the dull, the psychoneurotic, and the delinquent child.

Half course, second semester. Th., 1; F., 4-6. MR. V. JONES

**203a. Psychology Applied to Business and Industry.** A study of the main psychological techniques used in the selection and placement of industrial personnel. Special attention will be given to employment psychology. Some time is given to the application of psychology to problems of industrial efficiency.

Half course, first semester. M. W. F., 9. MR. FISCHER

**206b. Psychology of the Adolescent and Pre-Adolescent Periods.** A developmental and clinical approach to the psychological and educational problems of youth between the ages of 10 and 20. Developmentally, the following problems will be studied: physical growth and its psychological aspects, emotional adjustment and maladjustment, intellectual and social maturation as they relate to various problems including preparation for a career. Clinically, specific cases will be studied in which the difficulties of the period will be demonstrated and possible solutions suggested.

Half course, second semester. Tu., 4-6; third hour to be arranged.

MRS. BÜHLER

**210b. Psychological Approach to Citizenship and Leadership Development.** A survey and critical evaluation of the experimental evidence in the field of character and citizenship development among children and adolescents.

Two hours, second semester. S., 11-1.

MR. V. JONES

**211a. Child Development.** A systematic study of various phases of child development, including the development of learning and social behavior.

Half course, first semester. Tu., 4-6; third hour to be arranged.

MRS. BÜHLER

**212. Experimental Psychology.** A general survey of experimental psychology involving detailed experience with laboratory apparatus. Six hours in the laboratory and one lecture weekly.

Through the year. F., 2-4; third hour to be arranged.

MR. BROWN AND MR. RODNICK

Offered in the first semester only, 1942-43.

**215b. Industrial and Military Morale.** Problems and principles in the development of industrial and military morale.

Half course, second semester. M. W. F., 9.

MR. FISCHER

**219a. Personality Development.** An introduction to the problems of personality with special emphasis on principles of motivation and frustration theory.

Half course, first semester. W., 11; F., 11-1.

MR. ROSENZWEIG

**22b. Dynamics of Abnormal Behavior.** A survey of the chief types of abnormal behavior—psychoses, neuroses, somnambulism, and telepathy. Emphasis will be placed on the dynamics common to both normal and abnormal manifestations. A series of practical demonstrations at the Worcester State Hospital and theoretical discussions of factors underlying such deviations will be included. For pre-medical students and advanced students in psychology.

Half course, second semester. W., 11; F., 11-1.

MR. ROSENZWEIG

**23b. Learning—An Experimental Approach.** Consideration will be given to recent developments in learning theory derived from experimental findings in the fields of rote learning, conditioned response, and gestalt psychology. The students will be given detailed experience in the conducting of laboratory experiments in learning and in the interpretation of experimental data.

Half course, second semester. F., 2-4; additional hours to be arranged. MR. RODNICK

#### COURSES PRIMARILY FOR GRADUATE STUDENTS

**303. Guidance of Adolescents.** The basic methods and techniques of guidance are studied during the first semester. The second semester is devoted largely to case studies and field work.

Two hours, through the year. S., 9-11. MR. FISCHER

**307. The Learning Process.** A detailed study of the literature of experiments on learning.

Two hours, through the year. MR. BROWN  
Omitted, 1942-43.

**313a. Statistical Methods.** The purpose of the course will be primarily to give practice in the statistical methods most valuable for psychological experimentation.

Two hours, first semester. W., 4-6. MR. V. JONES

**314. Tests and Measurements Applied to Educational and Military Problems.** A study of measures of aptitude, achievement, interest, and attitude. Consideration will be given to the use of tests in military and industrial selection as well as in psychological and educational research. Attention will also be given to test construction and validation.

Through the year. Th., 4-6. MR. V. JONES

**320a. Advanced Experimental Psychology: Sensory Processes.** A study of the functions of the sense organs.

Three hours, first semester. Th., 9-11; third hour to be arranged. MR. RODNICK

**340. Departmental Seminar.** M., 4-6.

THE STAFF AND VISITING SPEAKERS

**350. Research in Psychology.** THE STAFF OF THE DEPARTMENT

## DIVISION OF EDUCATION

VERNON JONES, *Professor of Educational Psychology*

ROBERT P. FISCHER, *Assistant Professor of Psychology*

*With the coöperation of:*

PHILIP H. CHURCHMAN, *Professor of Romance Languages*

ROBERT S. ILLINGWORTH, *Professor of Dramatic Art*

In 1936 the trustees of the university voted to establish a Department of Education designed primarily to offer work leading to the degree of Master of Arts in Education. Beginning with the academic year 1940-41, the Department of Education has been merged with the Department of Psychology in the Department of Psychology and Education, forming a division of that department.

It has become increasingly evident that candidates for the bachelor's degree who include a few courses in education in their undergraduate programs are not being adequately prepared to meet the demands for scholarly and professional training required by the better school systems. The Division of Education was established with the aim of providing a fifth year of well-organized professional work for students who are interested in preparing for educational work, particularly at the secondary school level.

## UNDERGRADUATE WORK

A limited number of courses will be open to juniors and seniors in the undergraduate division upon the consent of the instructor, but the department recommends that undergraduate students concentrate upon the subject-matter fields in which they desire to teach, reserving for the fifth year the professional work in the theory and practice of education.

In keeping with the general plan to offer in five years a well-rounded program of teacher training with emphasis on the professional aspects of the training in the fifth year, *an undergraduate major in education is not offered.*

## GRADUATE WORK

The requirements for the degree of Master of Arts in Education cannot be adequately stated in terms of courses to be taken, because the evaluation of the work of each student will be made on the basis of achievement rather than on the basis of courses completed. However the minimum essentials in terms of course requirements are outlined below.



*Course requirements.* The student is expected to elect one of the following groups of studies as the field in which he wishes to teach:

- (a) Mathematics and natural sciences
- (b) History, geography, and economics
- (c) Ancient and modern foreign languages
- (d) English, alone or in combination with some related subject.

Prior to receiving the degree, the candidate must complete not less than five year-courses in one of the above groups, or in a combination of groups approved by the Division of Education. At least one of the five year-courses must be taken as a part of the study in residence for the advanced degree and must be passed with a grade satisfactory for graduate credit. In addition to the above requirement in the subject-matter field, sixteen semester hours of graduate work in education will normally be required. The program of courses to yield these sixteen hours must be approved in advance by the department. Changes in the proportion of education and subject-matter courses may be made by the department on the basis of the candidate's previous training. Work, additional to the above requirements, either in the subject-matter field or in education, or both, may be required if this seems necessary for the adequate preparation of the candidate.

*Thesis.* The candidate must present a "thesis," or "special report," in which he demonstrates not only his grasp of the subject-matter which he plans to teach but also a mastery of the educational principles necessary for such teaching. The thesis will be adapted to the vocational needs of the candidate and will not be regarded as an index of his capacity for research. In this respect it may differ somewhat from the thesis required of candidates for the degree of Master of Arts in other fields.

#### COURSES PRIMARILY FOR UNDERGRADUATES

**16b (Psychology 16b). Social Development of Children and Youth.** A survey of the principles of social development of young people between the ages of ten and seventeen. Practical experience in directing recreational activities of children will be provided.

Half course, second semester. T. Th. S., 9. MR. V. JONES

#### COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATE STUDENTS

**201a (Psychology 201a). Educational Psychology.** A study of learning and other psychological principles as they bear upon the problems of education.

Half course, first semester. W., 12; F., 4-6. MR. V. JONES

**202b (Psychology 202b). Advanced Educational Psychology: Individual Differences.** The course will include a study of the gifted, the dull, the psychoneurotic, and the delinquent child.

Half course, second semester. W., 2; F., 4-6. MR. V. JONES  
Omitted, 1942-43.

**204b. The Teaching of Modern Languages.** A study of the major problems in the teaching of French. Incidental reference will be made to German and Spanish. Prerequisite, third-year college French or German course, taken previously or at the same time.

Half course, second semester. MR. CHURCHMAN  
Omitted, 1942-43.

**205a. The Teaching of English.** Methods of teaching poetry, drama, novel, short story, oral and written composition.

Half course, first semester. M., 4-6, third hour to be arranged.  
Omitted, 1942-43. MR. ILLINGWORTH AND MR. MARBLE

**206b (Psychology 206b). Psychology of the Adolescent and Pre-Adolescent Periods.** A developmental and clinical approach to the psychological and educational problems of youth between the ages of ten and twenty. Developmentally, the following problems will be studied: physical growth and its psychological aspects, emotional adjustment and maladjustment, intellectual and social maturation as they relate to various problems including preparation for a career. Clinically, specific cases will be studied in which the difficulties of the period will be demonstrated and possible solutions suggested.

Half course, second semester. Tu., 4-6; third hour to be arranged.  
MRS. BÜHLER

**210b (Psychology 210b). Psychological Approach to Citizenship and Leadership Development.** A survey and critical evaluation of the experimental evidence in the field of character and citizenship development among children and adolescents.

Two hours, second semester. S., 11-1. MR. V. JONES

**211a (Psychology 211a). Child Development.** A systematic study of various phases of child development including the development of learning and social behavior.

Half course, first semester. Tu., 4-6, third hour to be arranged.  
MRS. BÜHLER

#### COURSES PRIMARILY FOR GRADUATE STUDENTS

**303 (Psychology 303). Guidance of Adolescents.** The basic methods and techniques of guidance are studied during the first se-

mester. The second semester is devoted largely to case studies and field work.

Two hours, through the year. S., 9-11. MR. FISCHER

**308a. Principles of Secondary Education.** A survey of the aims, responsibilities, and general methods in secondary education.

Two hours, first semester. S., 11-1. MR. V. JONES

**313a (Psychology 313a). Statistical Methods.** The purpose of the course will be primarily to give practice in the statistical methods most valuable for educational and psychological experimentation.

Two hours, first semester. W., 4-6. MR. V. JONES

**314 (Psychology 314). Tests and Measurements Applied to Educational and Military Problems.** A study of measures of aptitude, achievement, interest, and attitude. Consideration will be given to the use of tests in military and industrial selection as well as in psychological and educational research. Attention will also be given to test construction and validation.

Two hours, through the year. Th., 4-6. MR. V. JONES

**315. Apprenticeship Teaching.** An informal course consisting of extensive practice teaching in the field or fields in which the student plans to teach. Individual supervision is given by the department and by critic teachers in coöperating schools.

Two hours. Time to be arranged individually with each student. Omitted, 1942-43. MR. V. JONES AND CRITIC TEACHERS

## DEPARTMENT OF ROMANCE LANGUAGES

PROFESSOR CHURCHMAN, ASSOCIATE PROFESSOR DOUGHERTY

Courses offered in the languages and literatures of France, Spain, and Spanish America have been planned to provide:

- (1) an extensive "reading knowledge" of French and Spanish, essential for carrying on advanced work in sciences, social sciences, or the humanities, and for fulfilling the language requirement for the degree of Bachelor of Arts,\* and
- (2) an adequate foundation for graduate work and preparation for teaching of either or both languages.

A major in Romance Languages should comprise the following courses:

- (1) French 114 or French 17 or both;
- (2) French 113 or Spanish 113;

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\*One year-course at the third year college level: French 14, Spanish 14, French 13.



- (3) Two additional courses at or above the level of French 13, French 14, or Spanish 14;
- (4) History 11, to be completed by the end of the sophomore year;
- (5) An elective course, to be approved by the department, in a different language or literature, or in history.

A student majoring in Romance Languages would normally take French 14 and either French 13, Spanish 11, or Spanish 12 during the freshman year and, as early as possible thereafter, French 114 and either French 17, Spanish 12, or Spanish 14. More advanced courses, including one reading seminar in French literature, would be part of such a student's program during the junior and senior years.

Attention of students who intend to major in Romance Languages is directed to the necessity of acquiring a thorough knowledge of Spanish, as well as of French, in view of current emphasis on that language in business and international affairs, as well as in literature.

## FRENCH

### COURSES PRIMARILY FOR UNDERGRADUATES

**11. The Reading Approach to French—For Beginners.** Incidental aural work, elements of pronunciation. Indivisible course.

Open to freshmen.

Through the year. M. W. F., 11.

MR. CHURCHMAN

To be omitted, 1943-44. Offered in alternate years.

**12. Intermediate.** Extensive reading, exercises in composition and pronunciation. Prerequisites, French 11 or two years of high school French. Indivisible course.

Open to freshmen.

Through the year. M. W. F., 8.

MR. DOUGHERTY

NOTE: Courses 13 and 14 are of approximately equal difficulty. Either may be taken upon the satisfactory completion of French 12 or three years of high school French, but admission to course 13 is restricted to specially qualified students.

**13. Composition and Pronunciation.** The objective of this course is the correct writing, pronunciation, and comprehension of present-day French. A weekly two-hour meeting for intensive work in phonetics replaces one of the usual class meetings. Enrollment limited to ten students.

Open to freshmen, subject to the approval of the instructor.

Through the year, M. 2-4; W. F., 12.

MR. DOUGHERTY

To be omitted, 1943-44. Offered in alternate years.

**14. Readings in French Literature.** The aim of French 14 is twofold: the attainment of facile reading ability and a general view of



modern French literature based upon a detailed study of ten works of representative authors. Two independent sections.

Open to freshmen.

Through the year. M. W. F., 10; M., 2; W. F., 12.

MR. DOUGHERTY

**113. Introduction to French Civilization.** A selective survey of the history, art, literature, and music of France, from the Middle Ages to the present time, given in coöperation with the Worcester Art Museum. Weekly two-hour meetings at the museum are divided between lectures and the showing and discussing of lantern slides and photographs, and, occasionally, the playing of phonograph records. A third hour weekly at the college is arranged for undergraduates. Ordinarily, it is expected that students will have completed French 14 before taking this course, inasmuch as a reading knowledge of the language is highly desirable.

French 113 may be counted in fulfillment of the general requirement in art, music and literature, but not in fulfillment of the requirement in foreign language.

Through the year. W., 4:15; F., 12.

MR. DOUGHERTY

Omitted 1942-43. Offered in alternate years.

**114. General View of French Literature.** A unified and fairly complete account of French literature from the beginning to the present time. Prerequisite, course 14.

Through the year. Tu. Th. S., 12.

MR. CHURCHMAN

Omitted, 1942-43.

NOTE: Not more than two of the courses in literature listed below are offered each year. They are restricted to qualified students and are conducted as seminars devoted to wide reading, partly prescribed, and partly along lines suggested by the student's preference, but under guidance by the instructor. A short thesis is required in each semester. Before undertaking any of these courses it is ordinarily assumed that the student will have completed French 114 with a grade not lower than B and will have given evidence of ability to work by himself.

**15. Literature of the Seventeenth Century.** MR. DOUGHERTY

**115. Literature of the Middle Ages.** MR. DOUGHERTY

**16. Literature of the Nineteenth Century.** MR. CHURCHMAN

**116. Literature of the Sixteenth Century.** MR. CHURCHMAN

**19. Literature of the Eighteenth Century.** MR. DOUGHERTY

**119. Contemporary Literature.** MR. CHURCHMAN

**17. Phonetics, Advanced Composition and Oral Work.** Intensive linguistic work for intending teachers and other advanced students. Prerequisite, course 13.

Through the year. M. W. F., 10.

MR. CHURCHMAN

Omitted, 1942-43. Offered in alternate years.

**Education 204b. The Teaching of Modern Languages.** See announcement of "Department of Psychology and Education."

Half course, second semester.

MR. CHURCHMAN

Omitted, 1942-43. Offered in alternate years.

## SPANISH

### COURSES PRIMARILY FOR UNDERGRADUATES

**11. Elementary.** Carefully graded reading; exercises in grammar and pronunciation. Attention is paid to the artistic and cultural achievements of Spain and of Spanish America. Indivisible course. Two independent sections.

Open to freshmen.

Through the year. M. W. F., 11; Tu. Th. S., 10. MR. CHURCHMAN

**12. Intermediate.** Combination of readings from Spanish literature with more advanced study of the language, oral and written, and special study of South America. Prerequisite, course 11 or two years of high school Spanish.

Open to freshmen.

Through the year. Tu. Th. S., 11.

MR. CHURCHMAN

**14. Readings in Spanish and Spanish-American Literature.** The objective of Spanish 14 is the attainment of facile reading ability and a general knowledge of Spanish and Spanish-American authors. Five representative writers will be studied in each field, those of the mother-country during the first semester, those of the Spanish-American countries during the second. This course, the completion of which constitutes fulfillment of the foreign language requirement for the degree of Bachelor of Arts, is open to students, including freshmen, who have successfully completed two years of Spanish in college or three years in high school.

Through the year. M. W. F., 11.

MR. DOUGHERTY

To be offered, 1943-44. Offered in alternate years.

**113. Introduction to Latin-American Civilization.** A survey of the art, history, and literature of the Latin-American countries from pre-conquest times to the present day. Weekly two-hour meetings at the Worcester Art Museum are divided between lectures and the showing and discussing of lantern slides and photographs. A third hour weekly, at the college, is required of undergraduates. A reading knowledge of Spanish is not a prerequisite for this course.

Through the year. Tu. 4:15; W., 12.

A new course. To be offered in 1943-44 by Professor Dougherty and Miss Marian B. Davis, A.M. lecturer in the history of art at the Worcester Art Museum.

# The Summer School

JULY 6 TO AUGUST 13

The six-week summer school was established in 1921, primarily to serve teachers who were employed during the regular academic year. Its organization and its offerings have, accordingly, been relatively independent of the general university program. In the present national emergency such an arrangement is no longer feasible. The necessity of providing an opportunity for college students to complete the requirements for a bachelor's degree in three calendar years makes it essential to establish a summer term as an integral part of the academic year.

Teachers, graduate students and others whose plans have been based on attendance at a summer school for six weeks will find that their needs are met, under the revised university calendar, by the second session of the summer term.

They will find courses offered in a wider range of subjects than has been customary in the Summer School, particularly in subjects contributing to a better understanding of national and international problems. Lectures, excursions, and dramatic productions will be provided as heretofore.

A normal program will consist of two subjects, each subject yielding three semester hours of credit, instead of three subjects each yielding two semester hours of credit as in previous years. The total credit for six weeks' work will, consequently, be the same as in the past. Each class period will be sixty minutes instead of fifty minutes, as formerly.

*The Summer Term Bulletin* published in March, contains detailed information about the coming term with descriptions of the various courses, and may be had upon application to Clark University, Worcester, Mass.

The names of students who attended the Summer School in 1942 will be found in the register at the end of this catalogue.



# The Summer Term

FIRST SESSION, MAY 24 TO JULY 2

SECOND SESSION, JULY 6 TO AUGUST 13

One result of the national emergency has been the attempt by institutions of higher education to speed up their undergraduate programs in order that students may complete the requirements for a degree within a shorter period of time.

In accordance with this policy, Clark University schedules a summer term of twelve weeks, divided into two sessions of six weeks each.

Instruction is offered in:

biology	French	literature
business administration	geography	mathematics
chemistry	geology	meteorology
dramatics	German	physics
economics	Greek civilization	psychology
education	history	sociology
English	international relations	Spanish
fine arts		

Qualified students will be admitted upon presentation of proper credentials. Both undergraduate and graduate work is offered.

Work done in the summer term may be counted toward the fulfillment of the requirements for the degrees of Bachelor of Arts, Bachelor of Business Administration, Bachelor of Education, Master of Arts, and Doctor of Philosophy.

Unless otherwise announced, subjects are presented in "courses" or "half courses." A course, equivalent to six semester hours, involves five sixty-minute meetings per week, or their equivalent, throughout twelve weeks. A half course extends through six weeks. A normal program will be two subjects carried concurrently.

Tuition charges, for a normal program, will be \$96 for the term of twelve weeks, or \$48 for each session of six weeks. The charge for other programs will be on the basis of \$8 per semester hour.

Rooms in Estabrook Hall for men and in Graduate Hall for women, or in private homes in the vicinity of the university will cost from \$2.75 a week up. Board may be obtained at reasonable rates at near-by eating places. Meals will be served at the University Commons if there is sufficient demand.

*The first session* has been designed primarily for college students who will remain through the entire term of twelve weeks. However, any qualified person may be admitted to this session.

Any high school senior finding it possible to attend this early session will be permitted to do so, provided he can present a satis-



factory record in seven semesters of preparatory school work and remains in attendance at preparatory school with a satisfactory record up to the opening of the summer term.

*The second session* has the additional purpose as has been stated, to serve the group which under normal conditions would attend a summer school for six weeks, beginning about July 4. Many of the undergraduate courses have been planned so that they may be entered at the opening of the second session, and the range of choice in course offerings will be much wider than in recent summer schools.

#### THE SUMMER TERM AND THE ACCELERATED COLLEGE PROGRAM

The introduction of the summer term, with its two sessions of six weeks each, has given great flexibility to the college program. The college course may extend through the traditional four years or may be condensed into shorter periods of time.

An ambitious student who is well prepared, in good health and willing to work hard may complete the college course in as short a time as two years and eight months. If he is able to enroll for the entire summer session in 1943 he can receive his degree in January, 1946. His schedule for two years and eight months would be as follows:

Enter college, May 1943:	Credit
Summer term 1943 .....	2 courses
Year 1943-44 .....	6 courses
Summer term 1944 .....	2 courses
Year 1944-45 .....	6 courses
Summer term 1945 .....	2 courses
Year 1945-46 (fall term) .....	2 courses
Requirements for graduation completed, January, 1946.	

A student who graduates from high school in June may complete the requirements for the bachelor's degree in three calendar years without carrying more than a normal program of work at any time. Such a student, for example, could enter college at the beginning of the second session of the summer term, in July, 1943, and receive his degree in May, 1946. His schedule for the three years would be as follows:

Enter college, July 1943:	Credit
Summer term 1943 (second session) .....	1 course
Year 1943-44 .....	5 courses
Summer term 1944 .....	2 courses
Year 1944-45 .....	5 courses
Summer term 1945 .....	2 courses
Year 1945-46 .....	5 courses
Requirements for graduation completed, June, 1946	

Schedules providing for graduation at other times may be worked out to suit individual needs.

#### COURSES OFFERED IN THE SUMMER TERM

Courses are identified by number. The letters "a" and "b" following a course number indicate that the course is offered for the first session or for the second session respectively. Any particular course bears the same number whenever it is offered. Courses primarily for undergraduates begin with the figure "1," those for advanced undergraduates and graduate students begin with the figure "2," and those primarily for graduate students begin with the figure "3."

#### ANCIENT LANGUAGES

- |        |                                  |              |
|--------|----------------------------------|--------------|
| ST17a. | Greek Civilization.              | MR. BRACKETT |
| ST18b. | Greek Literature in Translation. | MR. BRACKETT |

#### BIOLOGY

- |         |   |                 |
|---------|---|-----------------|
| ST12a.  | Comparative Anatomy of the Vertebrates. | MR. NUNNEMACHER |
| ST15b.  | Economic Botany.                        | MR. POTTER      |
| ST16b.  | Histology.                              | MR. NUNNEMACHER |
| ST17a.  | Embryology.                             | MR. NUNNEMACHER |
| ST18a.  | Genetics.                               | MR. POTTER      |
| ST111a. | Outlines of Biology.                    | MR. POTTER      |
| ST112b. | Mammalian Anatomy.                      | MR. NUNNEMACHER |
| ST144b. | Bacteriology.                           | MR. POTTER      |

#### BUSINESS ADMINISTRATION

- |                  |  |             |
|------------------|--|-------------|
| ST117.           | Principles of Accounting.              | MR. MELDER  |
| Psychology 214a. | Psychology of Advertising and Selling. |             |
| See also         | Economics and Sociology.               | MR. FISCHER |

#### CHEMISTRY

- |        |                                     |                              |
|--------|-------------------------------------|------------------------------|
| ST11.  | General Chemistry.                  | MR. MARTELL AND MR. MERIGOLD |
| ST12a. | Qualitative Analysis.               | MR. BULLOCK                  |
| ST13b. | Introduction to Physical Chemistry. | MR. MARTELL                  |

ST14b. **Elementary Quantitative Analysis.** MR. MERIGOLD

ST15. **Organic Chemistry.** MR. BULLOCK AND MR. MARTELL

ST214b. **Advanced Quantitative Analysis.** MR. MERIGOLD

NOTE: Chemistry courses 11 and 214b will not be offered for fewer than five students.

## ECONOMICS AND SOCIOLOGY

(See also *Business Administration*)

### ECONOMICS

ST14a. **Economic History of Western Europe.** MR. EHLERS

ST14b. **Economic History of the United States.**  
MR. BRANDENBURG

ST23a. **Economics of War—Finance.** MR. EHLERS

ST23b. **Economics of War.** MR. BRANDENBURG

### SOCIOLOGY

ST11a. **Principles of Sociology.** MR. MELDER

ST19b. **Educational Sociology.** MR. MELDER

## DEPARTMENT OF ENGLISH AND DRAMATICS

### ENGLISH

ST11. **English Composition.** MR. HOYT

ST12b. **Public Speaking.** MR. ILLINGWORTH

ST13b. **Shakespeare.** MR. MARBLE

ST15. **A Survey of English Literature.** MR. MARBLE

ST110a. **English Literature—The Second Half of the Nineteenth Century.** MR. HOYT

ST122b. **Modern Poetry.** MR. HOYT

ST125a. **The Short Story.** MR. DODD

### DRAMATICS

ST126b. **Modern Continental Drama.** MR. ILLINGWORTH

ST145b. **Stagecraft.** MR. ILLINGWORTH

NOTE: The VERSE READING CHOIR is open to all students

registered in the Department of English and Dramatics. A choir of 20 voices will be chosen. Regular rehearsals will be held at hours to be arranged. Public performances will be given. Under the direction of Mr. Illingworth.

## DEPARTMENT OF FINE ARTS

**Fine Arts ST11a. French and English Painting, 18th and 19th Centuries.** MR. DODD

## GEOGRAPHY

**ST10. Principles of Geography.**

MR. WARMAN AND MR. VAN VALKENBURG

**ST12b. Meteorology.**

MR. VAN VALKENBURG

**ST100. Military Geography.**

MR. WARMAN

**ST191. Cartography.**

MR. BURNHAM

**ST205b. Workshop in High School Geography.** President Wallace W. Atwood, assisted by Miss Kathryn Schnorrenberg and the staff in geography.

**ST215a. Geography of the War.**

MR. VAN VALKENBURG

**ST281. North America.**

MR. EKBLAW

**ST31b. Regional Physiography.**

PRESIDENT ATWOOD

**ST37a. Human Geography.**

MR. EKBLAW

**ST37b. Cultural Geography.**

MR. EKBLAW

**ST300b. Educational Problems in Geography.**

PRESIDENT ATWOOD

**ST301a. Seminar in Geography.**

STAFF

**WS600. War Zones.**

MR. VAN VALKENBURG AND VISITING LECTURERS

**WS603. Cartography, Maps and Aerial Photographs.**

MR. WARMAN AND MR. BURNHAM

**WS604. Research in Geography.**

STAFF

## GEOLOGY

**ST121b. Crystallography, Mineralogy, and Blowpipe Analysis.**

MR. LITTLE



## GERMAN

- ST11. Elementary German. MR. BOSSHARD OR MR. BRACKETT  
ST12. Second Year German. MR. BOSSHARD  
ST13. Third Year German. MR. BOSSHARD

## HISTORY AND INTERNATIONAL RELATIONS

- ST12a. Contemporary European Governments. MR. DENNETT  
ST17. American History Since 1783.  
MR. JORDAN AND MR. ROZWENC  
ST21b. Great Britain in Two Wars, 1914-19 and 1939-43.  
MR. JORDAN  
ST23b. The United States at War. MR. ROZWENC  
ST232a. History of Two Decades, Europe Since 1919.  
MR. DENNETT

## PSYCHOLOGY AND EDUCATION

- ST201b. Educational Psychology from the Social Viewpoint.  
MR. VERNON JONES  
ST208b. Principles and Problems of Education in Wartime.  
MR. VERNON JONES  
ST231a. Psychology of the Emotions with Special Reference  
to the War. MR. FISCHER  
ST241a. Psychology of Advertising and Selling. MR. FISCHER

## PHYSICS AND MATHEMATICS

## PHYSICS

- ST11. General Physics. MR. ROOPE AND MR. GUNTER  
ST12a. Fundamentals of Radio. MR. ROOPE  
ST16b. Optics. MR. GUNTER

## MATHEMATICS

- ST10-11. Freshman Mathematics. MR. MELVILLE  
ST10-11a. Second Half of Freshman Mathematics.  
MR. MELVILLE

**ST15b. Elementary Statistics.**

MR. MELVILLE

NOTE: If there is not sufficient demand to justify the giving of both courses S.T.10-11 and S.T.10-11a, the following course will be offered. This will make it possible for any student who has completed "Freshman Mathematics" to finish a second year's work in college mathematics by August 1943.

**ST12. Analytical Geometry and Calculus.**

MR. MELVILLE

## ROMANCE LANGUAGES

## FRENCH

**ST11b. The Reading Approach to French.**

MR. CHURCHMAN

**ST14. Readings in French Literature.**

MR. DOUGHERTY

## SPANISH

**ST11. Introductory Spanish.**

MR. DOUGHERTY

**ST11b. The Reading Approach to Spanish.**

MR. CHURCHMAN

**ST12. Intermediate Spanish.**

MR. DOUGHERTY

## The Degree of Bachelor of Education

The degree of Bachelor of Education is offered to teachers, both men and women, who have completed a two-year normal school course, or its equivalent, and who have had at least one year of experience in teaching. Candidates for this degree are under the direction of the Committee on Extension Courses and Special Students.

Credit toward this degree may be earned in regular college courses, in summer school, and in afternoon and evening courses offered at the university especially to meet the needs of candidates for this degree ("Courses of College Grade for Adults"). Study outside of regular classes conducted under the auspices of a recognized institution of college grade cannot be accepted for credit, although such study may be the basis of relief from requirements in particular subjects.

A teacher in active service may normally earn a maximum of four semester hours of credit in each semester of the academic year and six hours in a six-week summer school.

The program leading to the degree includes requirements in English, foreign language, laboratory science, social science and education.

### RULES AND REGULATIONS

*It is impossible to cover explicitly, by rule, all situations which may arise in the absence of a fixed curriculum and with the possibility that credit toward the degree may be obtained from a variety of sources. The committee is guided by the general purpose to maintain a reasonable standard, involving suitable choice of courses and satisfactory performance in them.*

The more important rules affecting candidates for the degree of Bachelor of Education are as follows:

**ADMISSION:** Only those who have completed a two-year normal school course or the equivalent may be admitted to candidacy for the degree of Bachelor of Education.

An application for admission to candidacy must be made in writing on a form which may be obtained from the university Recorder. An application should be accompanied by evidence of graduation from a standard high school and an *official* record of all study by the applicant in normal school and college.

Applicants are notified in writing of action on their applications. Such notice in the case of those accepted includes a statement of credit allowed on records submitted, and of any special requirements.

**THE MATRICULATION FEE,** \$5, must be paid for the purpose of opening an official record in the office of the university Recorder.

### CREDIT FROM OTHER INSTITUTIONS.

- a. Credit of 54 semester hours will normally be given for the com-

- pletion of a standard two-year course in a normal school or teachers college. Less than this may be granted at the discretion of the committee in charge, and additional credit may be allowed for a longer period of study and for suitable work in extension courses or in summer schools. The total credit from other institutions may not exceed 90 semester hours.
- b. After admission to candidacy credit may be allowed for courses taken at approved universities, colleges, or normal schools, provided such courses are authorized in advance. In exceptional cases the committee may authorize credit for such courses taken without previous approval, but under no circumstances in excess of 75% of the face value of such courses.
  - c. Not more than thirty hours of credit may be allowed for home study courses and extension courses taken with outside institutions. Such work is accepted from only a limited number of sources. This thirty-hour limit applies to the combined total of "home study" and "extension" courses.

#### REQUIREMENTS FOR THE DEGREE.

- a. 120 semester hours of college credit, including advanced standing granted at the time of admission to candidacy.
- b. At least 30 semester hours of credit earned *in residence* at Clark University.
- c. At least one year's teaching experience or its equivalent.
- d. Requirements in particular subjects:
  - (i) Six semester hours in psychology or education, taken after the completion of the two-year normal school course or its equivalent.
  - (ii) Six semester hours of laboratory science, taken after the completion of the two-year normal school course or its equivalent.
  - (iii) Ten semester hours of English, which may be taken in whole or in part in the normal school course.
  - (iv) Twelve semester hours in any *one* foreign language, which may be completed in whole or in part elsewhere than at Clark University. Evidence of the completion of this requirement may be supplied in the following ways: (1) by securing credit in course toward the degree for the twelve semester hours required; (2) by securing credit in course toward the degree for at least the last four semester hours normally required to complete the twelve hour requirement; (3) by passing satisfactorily an examination set by Clark University.
  - (v) Twelve semester hours of economics, geography, government, history, or sociology, at least six of which must be taken after the completion of the two-year normal school course or its equivalent.



**STANDARD OF SCHOLARSHIP.** A grade better than D+ is required in three-fourths of all credit accepted toward the completion of the requirements for the degree.

**LAPSE OF CANDIDACY.** Candidacy for the degree terminates automatically whenever for a period of two years or more a candidate has failed to complete any courses in Clark University yielding credit toward the degree. A candidacy terminated under this rule may be renewed by action of the committee in charge. Such renewal may involve a revision of allowances previously made, both in respect to total credit and requirements in particular subjects.

**DIPLOMA FEE.** The diploma fee, \$5, should be paid to the Bursar not later than the beginning of the term in which the requirements for the degree will be completed.

#### SPECIAL COURSES FOR TEACHERS

With the needs of candidates for the degree of Bachelor of Education in mind, the university offers a series of college courses for adults designed both in respect to content and time of meeting for teachers in the public schools of Worcester and the surrounding region. These courses are also open to the general public. When occasion arises the subject of aims and methods of teaching is treated in some of these courses.

During the academic year 1942-43, the following courses have been offered:

##### BIOLOGY

**Machinery of the Body.**

MR. NUNNEMACHER

**Birds and Their Relationship to Man.**

MR. NUNNEMACHER

##### ECONOMICS

**The Economics of War.**

MR. BRANDENBURG

##### FRENCH

**Foundations of Oral and Written French.**

MR. L. L. ATWOOD

##### PSYCHOLOGY

**Present-day Educational Problems from a Psychological Angle.**

MRS. BÜHLER

## Brief History of Clark University

Clark University owes its existence to the interest in higher education of Jonas Gilman Clark. Mr. Clark, one of eight children, was born in Hubbardston, Worcester County, February 1, 1815, and spent his boyhood on his father's farm. Though his formal education was meager, he took advantage of every opportunity offered for improvement. At the age of sixteen he learned the trade of a wheelwright and at twenty-one set up in business for himself. Nearly every venture he undertook proved a success. In 1853 Mr. Clark moved to San Francisco and became one of the most successful merchants on the Pacific Coast. During the Civil War, he worked for the Union cause and about the time the war was over he moved East. After a brief residence in New York, he returned to Worcester to make his permanent home—one of the wealthiest men in New England. His success in business was the result of his intense energy, resourcefulness, unremitting work, farsightedness, and keen business judgment. Being fond of travel, Mr. Clark made five extended visits to Europe. He read widely, collected books and manuscripts, and interested himself especially in libraries and universities.

Conscious of the meagerness of his own early educational opportunities, Mr. Clark devoted his later years to the establishment and nurture of the institution which bears his name. In this he was ably assisted by prominent citizens of Worcester, nine of whom he chose as trustees. The university was chartered by the General Court of Massachusetts in 1887. For president, the trustees selected Granville Stanley Hall who had spent six years studying in European universities and who was making a national reputation as Professor of Psychology at The Johns Hopkins University. He was enthusiastic for research, intellectual freedom and high standards of scholarship. In giving up his career at Johns Hopkins, Dr. Hall had visions of establishing in Worcester a purely graduate institution of intellectual distinction. Mr. Clark agreed to President Hall's plan with enthusiasm. The opening exercises of the new university were held on October 2, 1889. The trustees and President Hall brought together a small but distinguished faculty. The brilliant work of these men soon made an enviable reputation for the graduate division of the university. In 1900, when the Association of American Universities was founded, Clark University was one of the fourteen charter members.

Though Mr. Clark actively supported the work of the graduate division, his interest in the establishment of a collegiate division never waned. At his death in 1900, he provided by his will that most of his estate, and at Mrs. Clark's death, practically all of it, should go to the university, special provision being made for the establishment of an undergraduate division. This division, he indicated, should,

in the beginning, have its own president but be under the same business control as the graduate division. His will also provided separate endowments for the library and for an art department.

The collegiate division, which soon came to be known as Clark College, was opened in 1902. The selection as president of Colonel Carroll Davidson Wright, then United States Commissioner of Labor, brought to the college the prestige of a national reputation and the skill of an experienced administrator. The tuition was low, at first only \$50 a year, and the course could normally be finished in three years. Some members of the university faculty assisted in the organization of several departments in the undergraduate division. A beautiful library building was completed in 1904 and an addition built in 1910. A dining hall was built in 1908. In 1909, at the death of President Wright, the trustees elected as his successor, Edmund Clark Sanford, then professor of psychology in the graduate division. The decade which followed, under President Hall and President Sanford, was marked by successful achievements in both graduate and undergraduate divisions. Mr. Clark's bequests had made possible marked development in both the university and the college.

Since 1919 Clark University has witnessed significant changes in administration and development. In that year, President Hall, after thirty-two years of distinguished service as head of the university, resigned and the following year his resignation was accepted. At the same time, President Sanford asked to be permitted to return to professorial work. Despite its creditable early record, Clark was facing difficulties. While funds available for graduate work in many large institutions of the country had been growing rapidly, those at Clark had remained stationary for twenty years. Consequently, the university was finding itself outdistanced both in facilities and in students by other institutions. President Hall's resignation removed the intellectual leader whose reputation had been a great asset. In the college the continuing low tuition resulted in inadequate income.

Under these conditions the trustees, after long deliberation, decided to place the undergraduate and graduate divisions under a single administration and to modify the graduate work. A graduate school of geography, similar to those in certain European universities, was established with the expectation of making a contribution to higher education in America, where very little advanced work had been done in many phases of that subject. Wallace Walter Atwood, then professor of physical geography at Harvard University and a recognized leader in advanced geography, was elected president. Under President Atwood, who entered upon his duties at the beginning of the academic year 1920, the undergraduate and graduate faculties were merged into a single body in 1921-22. In both divisions the requirements for admission were made more exacting;



several additions were made to the faculty; provision was made for retirement annuities; plans for leaves of absence for the promotion of research were adopted; and the number of students, both graduate and undergraduate, showed a marked increase.

The Graduate School of Geography was opened in the fall of 1921 and the departments of history and international relations and of economics and sociology were soon strengthened by additional instructors. A summer school, offering work at both the graduate and undergraduate levels, was opened in 1921 and has continued to the present time. In 1925 an extension division was established, offering work in the late afternoons and on Saturdays, primarily for teachers and other adults in the community. The university was greatly aided by the noteworthy bequest of Dr. Granville Stanley Hall, who died in 1924 leaving upwards of \$160,000 as an endowment for research in genetic psychology. In 1936, work leading to the degree of Master of Arts in Education was introduced. The Graduate Division of International Affairs began work in the fall of 1941.

Significant changes have been made in the undergraduate division. Beginning with the class which entered in September 1922 the requirements for graduation were increased and a four-year course became the normal one leading to the degree of Bachelor of Arts. During the decade from 1910 to 1920 the tuition had advanced to \$150 and in 1922 it was raised to \$200. Scholarships were established for students with superior ability. In 1940 the tuition was increased to \$240. A department of instruction in fine arts was organized in 1940 and the Division of Business Administration early in 1941. In 1941, the Women's College of Clark University was authorized by the Board of Trustees and a limited number of women were admitted in the fall of 1942.

Distinct improvements have been made since 1920 in the physical equipment of the university. By the generosity of Arthur E. Estabrook, a trustee from 1904 to 1919, who bequeathed the university \$100,000, a dormitory was provided in 1924 by adding two stories to the dining hall. In the same year the trustees purchased land, not far from the campus, for an athletic field. Alumni raised substantial sums for grading the grounds and to help in the provision of the field-house. After an active alumni campaign during 1936 and 1937, in which many alumni and nearly 100 per cent of the faculty and students in residence contributed, the Alumni Gymnasium was completed and dedicated in 1938. With the aid of citizens of Worcester, the library tower and the new auditorium, Atwood Hall, were completed and dedicated in 1939.



# Degrees Conferred

## In the Calendar Year 1942

### BACHELOR OF ARTS

Myron Morton Albert	Sumner Herbert Levin
Richard Dehran Aljian	Martin Henry Little
Hugo Domenic Angelini	Benjamin Margolis
John Ernest Barriere	(With honors in history and international relations)
Jack Bresnick	Frank Eugene Marsh, Jr.
Gordon Hamer Brooks	Robert Templeman Marsh
John Proctor Burbank	Stanley Raymond Maslowski
Orrin Hartshorn Cross	(With honor in general course)
Richard Atlee Edson	Donald Martin Miller
Raymond Harold Ellison	Bernard Norman Mintz
(With honor in general course)	(With honors in economics and sociology)
Sidney Sumner Feuerstein	Philip Edward Morin
Henry Frieswyk	James Patrick O'Connor
Edward Paul Ginsburg	Kenneth Martin Rebstad
Robert Abraham Greenblatt	Donald Mitchell Roberts
Paul Aaron Hyman Guss	Russell Godfrey Sandberg
(With honor in general course and honors in German)	Robert Eugene Sawicki
Raymond Bertil Hill	Adolphe Joseph Schoepflin
David Hamilton Horne	Robert Howe Scotland
(With high honor in general course and honors in English)	John Jacob Singer, Jr.
Donald Gerard Jones	William Russell Stanhope
John Paul Karpoe	Matthew Stepanski
Edward Mark Kelman	Donald Irving Tufts
Wallace Dorman Kilpatrick	Leslie Warren Valentine
(With honor in general course and honors in physics)	Mervin Jay Weinberg
Donald William Kuhn	Ralph Avedis Yagjian
(With high honor in general course and honors in chemistry)	

### BACHELOR OF EDUCATION

Mildred Louise Beck  
Helen Kenney  
Louise May Norbery  
Nathan Jacob Rotshyan

### MASTER OF ARTS

Hudson Taylor Armerding	Richard Price Deitzler
Myron Adelbert Baskin	Gilbert Vincent DeMar
Carl Gustaf Berg	Robert Henry Eaton
Gerald Saul Blum	George Francis Elliot
James Albert Brammell	Paul Fram
Celeste Budd	Doris Victoria Hansen
Rowena Marilyn Buzzell	John Granville Jensen
Catherine Elizabeth Cox	Harold Torstein Jorgenson
Samuel Curtis Dashiell	Raymond David Kallstrom

Rita Louise Kelly  
 Herman Kleine  
 Huey Louis Kostanick  
 Lena London  
 Kathryn Jane McNamara  
 Wensel William Moberg  
 Arlene Taylor Murray  
 Helen Barbara Pospisil

Mary Elizabeth Quirk  
 Herbert Reiner, Jr.  
 Frank Edward Ritacco  
 Noreen Frances Schneider  
 Lee Seitzer  
 Roscoe Sawtelle Smith  
 Stephen Augustine Tutko  
 Mary Frances Williamson

### MASTER OF ARTS IN EDUCATION

Robert Irwin Edwards  
 Eleanor Martha Garvey  
 William C. Haddad  
 Francis Raymond Hickey

Francis Daniel McHugh  
 William Joseph O'Connell  
 John James Solon

### DOCTOR OF PHILOSOPHY

Burton Wilbur Adkinson  
 William Biggar Brierly  
 Van Harvey English  
 Bernard Albert Fiekers  
 Russell Hunt Fifield  
 Paul Michael Gregory  
 Theodore Francis Marburg

Edwin Thomas Mitchell  
 Jorma Iltanen Niven  
 John Norman  
 John Warren Nystrom  
 Harry Jay Older  
 Seymour Bernard Sarason  
 Dorothy Tilden Spoerl

### HONORARY DEGREES

Hiram Newton Rasely  
 Robert Ware Bodfish  
 Rosabelle Jacobus  
 Harry Ervin Yarnell  
 Mabel Knowles Gage

Master of Arts  
 Master of Arts  
 Master of Civic Service  
 Doctor of Laws  
 Doctor of Civic Leadership

### SUMMARY

*Degrees in Course*  
 Bachelor of Arts  
 Bachelor of Education  
 Master of Arts  
 Master of Arts in Education  
 Doctor of Philosophy

45  
 4  
 34  
 7  
 14

*Honorary Degrees*  
 Master of Arts  
 Master of Civic Service  
 Doctor of Laws  
 Doctor of Civic Leadership

2  
 1  
 1  
 1

# Register

Names of students are grouped in four lists. I, graduate students, college students, and special students in attendance during the regular academic year; II, those who attended the 1942 Summer Term; III, students enrolled in the War Service Training Program, June 22-Sept. 12, 1942; IV, extension students; V, candidates for the degree of Bachelor of Education.

## I. GRADUATE STUDENTS, COLLEGE STUDENTS AND SPECIAL STUDENTS IN ATTENDANCE DURING THE REGULAR ACADEMIC YEAR

Explanation: S—scholar; F—fellow; numerals 43, 44, 45, and 46 are used to classify undergraduates; g—students formally admitted to the graduate division; s—special students; B—biology; Ch—chemistry; Ec—economics and sociology; Ed—education; Ger—German; Ma—mathematics; En—English; G—geography; H—history and international relations; IA—international affairs; Mu—music; Ph—physics; Ps—psychology; RL—romance languages.

State omitted—Massachusetts; town omitted—Worcester; street names refer to streets unless otherwise indicated.

This list includes the name of all who have matriculated and registered. An asterisk (\*) indicates that the student has withdrawn from the University prior to March 1, 1943. A dagger (†) indicate enrollment for the second semester only.

NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
*Allain, Donald	43		574 Pleasant
*Allegrezza, Nello Alfred	46	Hopedale	Estabrook Hall
Allen, John Winfield	45		278 Coburn Ave.
Almquist, Arden	44	Salina, Kas.	Lanesboro Rd., Holden
Alter, Irene Frances	45	Brookline	752 Pleasant
†Amidon, Dorothy Alice	s		13 Granville Ave.
Anderson, Lloyd	43		67 Cedar
Anderson, Robert Irving	45		606 Southbridge
Anderson, Roy Stuart	43	Agawam	Estabrook Hall
*Appenzeller, Robert George	43		74 W. Boylston
*Arnold, Maud Melville	Ps g		4 Englewood Ave.
Atamian, Charles	46	Whitinsville	Estabrook Hall
Auffrey Henry Philip	45	Pittsfield	35 Maywood
Augelli, John Patsy	43	Waterbury, Conn.	18 Shepard
Babigian, Christopher	46		13 Bancroft
Balk, Helen Hoppe	G F	So. Hadley	138 Woodland
Baril, Olier Ludger	Ch g		91 Eureka
Barriere, Eleanor Elizabeth	45		37 Dayton
Basiul, Walter Joseph	46		56 Perry Ave.
Baxter, George John	45		12 Eureka Ter.
Beaman, Alden Gamaliel	46	E. Princeton	Estabrook Hall
†Beaudry, René Paul	46		79 Purchase
Beck, Robert Nelson	45		46 Wachusett
Becker, Herbert Richard	44		17 Bellingham Rd.
*Bedrosian, Azariah	45	Sutton	35 Maywood
Belles, Earl Melvin	46		1264 W. Boylston
Bergstrom, Harold Joseph	44		34 Arthur
*Berkowitz, Maurice	Ch s		23 Barclay
Berlyn, Sumner	45		267 Estabrook Hall
*Berman, Seymour	44	Dorchester	Estabrook Hall
Bernard, Normand Lucien	s	Livermore Falls, Me.	Fairmont Ave.
Bernier, Emil Lilla	45	Webster	
Besnia, Howard John	45		7 Jefferson
*Biggl, Francis Joseph	46	W. Boylston	
Bininger, Mary Lee	Ps S	Lancaster, O.	10 Hawthorne
Bird, Grace Carol	44		43 Beeching
*Blanchard, Cyrus Lloyd	43	Douglas	
Blom, Robert William	46		25 Eunice Ave.
†Blunt, Roscoe Crosby, Jr.	46		30 Narragansett Ave.
*Boch, Oliver Wendell	46	Togus, Me.	Estabrook Hall
Boisseau, Victor Hervey	46		99 Canterbury
†Bortman, David Richard	46	Dorchester	Estabrook Hall
†Bourdages, Remi Joseph	46	Spencer	
†Breault, Regis Edgar	46	Spencer	

NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
Brennan, John David	46		33 Clement
Bricks, George Edward	46	Holyoke	20 Shepard
*Bridgham, Philip King	46		60 Maywood
Brigham, Barbara Ann	46		38 Winifred Ave.
Brigham, Paul Lawrence	46	Northboro	
Brodsky, Thelma Shirley	45		1 No. Woodford
Brooks, Kenneth Arthur, Jr.	45		17 McKinley Rd.
*Brooks, Roger Howard	46	Princeton	
Brotherton, William Richard	43		18 Hitchcock Rd.
Burack, Harriet	46		1831 Main
Burack, Joseph	46	Shrewsbury	
Burrage, Ronald Packard	46	Gardner	Estabrook Hall
†Butler, Susanne	B s		81 Kenwood Ave.
Cagen, V. Harold	44		22 Carlisle
Cahill, Alice Marie	Ger s		35 Haynes
*Camosse, Yolanda Delhia	46	Auburn	
Camp, Georgiana	46		2 Claremont Sq.
Campbell, William Aloysius	B F	Cherry Valley	
Carroll, Helen Sara	Ed g		1 Piedmont
†Carroll, Lillian Cecile	L		21 Fruit
Carroll, Mary Virginia	46		13 Jefferson
Carruth, William Glenn	45	Shrewsbury	
*Casavant, Albert S.	44	Gardner	Estabrook Hall
Cassidy, Clare Therese	46	Uxbridge	6 Charlotte
*Cassidy, Mary Anderson	B s	Uxbridge	6 Charlotte
*Cesari, Carlos Alfonso	45, B s	Yauco, P. R.	Estabrook Hall
Chaberek, Stanley Michael	45	New Bedford	Estabrook Hall
Chandler, Arnold Edward	46		248 Mower
Chavoor, Ashur George	45		934 Main
Chouinard, Albert Eugene	Ch g		175 Lovell
*Chused, Samuel Harold	Ph s	Haverhill	19 Richards
†Ciani, Libro	46		31 Granby Rd.
Ciani, Saverino	46		31 Granby Rd.
Cianko, George	46		48 Beacon
Clapkin, Marvin Babbit	46	Albany, N. Y.	Estabrook Hall
Clee, Robert Stevens	45	Jersey City, N. J.	15 Shirley
*Cohen, Leo David	46	Malden	Estabrook Hall
Cohen, Leonard	43	Pittsburgh Pa.	16 Claremont
Cohen, Stuart Mitchell	46		6 Windsor
Colton, Susanna Boylston	46		138 June
*Comeau, Norman Donat	43	Spencer	
*Coolidge, Dean Rodney	46	Watertown, Conn.	Estabrook Hall
Cotzin, Dorothy Selma	46		49 Woodland
Cramer, Herbert William	46		1019 Pleasant
*Cressey, Alice Arlene	46	Saundersville	67 Downing
Crowe, Alice Helena	44		5 Michigan Rd.
†Crowe, Robert S.	B F		6 Ripley
Curry, Stowers Leigh, Jr.	46		15 Bellingham Rd.
*Cutler, Charlotte Josephine	45		20 Wabash Ave.
Cutting, Jean Phyllis	46	Holden	
Dagirmanjian, Arthur	46	Whitinsville	
Dalrymple, Eugene Prescott	45		34 Richmond Ave.
Dalrymple, Paul Clement	46		34 Richmond Ave.
Danklefsen, Mildred Marie	G S	Bellevue, O.	18 Shepard
Day, John Lovewell	46	No. Falmouth	Estabrook Hall
Deignan, Francis James	44		195 Lincoln
Delk, Robert Carlton	H S	Dayton, O.	166 Woodland
Denardo, Pat	43	Waterbury, Conn.	Estabrook Hall
Deranian, Hagop Martin	45		492 Park Ave.
*Derby, Elizabeth Mary	Ed g	Spencer	
*Derry, Lawrence John	43		35 Beverly Rd.
Diaz, Manuel O.	Ec S	Rio Piedras, P. R.	166 Woodland
Dion, Louis Ferdinand	B F		Assumption College
Ditchik, Ralph	44	Long Beach, N. Y.	166 Woodland
Donaldson, Jocelyn	G S	Clear Lake, S. D.	59 Maywood
*Donohue, Philip Vincent	Ec g		6 Lowell
Donovan, Margaret Rita	Ed g	Millbury	
Doolittle, Jane Emerson	46		48 Havelock Rd.
Doolittle, Nancy	45		9 Rexhame Rd.
Doran, Elizabeth Mary	45		76 Paine
*Dossey, Earl Selvin, Jr.	G S	Dallas, Tex.	166 Woodland
Doyle, Ann Marie	46		930 Main



NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
Driscoll, Florence Frances	46		48 Arlington
Dufresne, Roger Joseph	44	Shrewsbury	
*Dunbar, Allen Stanley	43	Barre	766 Main
*Dunleavy, Gareth Winthrop	45	Putnam, Conn.	4 Downing
*Dupuis, Merrill George	45		63 Gates
Dzikiewicz, Edmond Bernard	46		55 Olga Ave.
*Easton, Dexter Morgan	43	Lambertville, N. J.	Estabrook Hall
Easton, John Roland	45	Pigeon Cove	114 Woodland
Eaves, John, Jr.	45	Southbridge	Estabrook Hall
Eckman, Harold	46		32 Barclay
†Eliopoulos, James Nicholas	46		14 Lamartine
*Ellis, Paul Raymond	Ger s		766 Main
Elmadjian, Fred	B g, F	Brighton	20 Mulberry
Emerson, Eleanor Margaret	46	Webster	
Emerson, Philip Edward	Ec F	Keene, N. H.	166 Woodland
*Emery, William Robertson	Ps g		121 Lake Ave.
Epstein, Hyman	44	New Bedford	1026 Main
Ericson, Ruth Emelia	44	Hamden, Conn.	171 Woodland
Erlich, Alfred Simon	46	Webster	
Ermak, Mary	46	Farnumsville	
Errede, Michael Anthony	45		256 Shrewsbury
Factor, Robert Benjamin	45	Bridgeport, Conn.	4 Downing
Feeley, Mary Elizabeth	Ch s, 46		5A Forestdale Rd.
Fein, Elihu Herman	45	Belmont	6 Downing
Feingold, Golda Muriel	46		925 Pleasant
Fisher, Eugene Robert	46		194 Dewey
Fisher, Hildreth Hamilton	44	Spencer	
Fistori, Philip Arthur	46		100 May
†Fitzgerald, Daniel Joseph	Ps g	Rutland	
Flynn, Marie Virginia	46		53 Sagamore
Fountain, Gordon Stuart	46	Dodge	
Fox, Lawrence	45	Albany, N. Y.	Estabrook Hall
Foy, Walter Lawrence	Ch g	W. Springfield	166 Woodland
Franklin, Muriel Penelope	Ps F	Kew Gardens, N. Y.	6 Hancock
*Fryburg, George Harold	44		79 Forest
Gadon, Herman	46		21 Strathmore Rd.
*Gale, Jeanne Edna	46	Dorchester	908 Main
*Gallagher, Frances Gertrude	En s		62 Whipple
Gamoian, Roxy	46	Whitinsville	905 Main
Gardner, Paul Joseph	44		23 Varum
Gately, Charles Francis	43	Marlboro	Estabrook Hall
Gates, Jesse Arthur	43	Webster	
Gaucher, John Harry	44	Millbury	
Gibson, Stuart Calvert	46	Fisherville	Estabrook Hall
Gilvarg, Charles	45		22 Clifton
†Giuffrida, Matthew Roland	46		197 Belmont
*Gloster, Marilyn Ann	46		9 St. Elmo Rd.
Goff, Alvin Harvey	46		8 Tahanto Rd.
Goodstein, Bernard Jack	43		22 Hudson
Goreau, Thomas F.	46	New York, N. Y.	Estabrook Hall
*Gough, Ruth Louise	46		59 Vernon
*Green, William Arthur	Ma s	Northboro	
Greenberg, Archie	G g	Miami Beach, Fla.	166 Woodland
*Greenstein, Saul Maurice	44	Dorchester	21 Shirley
Grenier, Raymond Louis	45		121 Forest
Griffin, Carl Raymond, Jr.	46	Rutland	
Grodberg, Marcus Gordon	44		112 Elm
*Gruss, Marvin Israel	44	Norwalk Conn.	56 May
Guay, Leo James	Ch F		Holy Cross College
*Gudzinowicz, Benjamin John	44	Maynard	Estabrook Hall
Guimaraes, Maria Stella	GS	Sao Paulo, Brazil	455 Park Ave.
Gullberg, Norma Lorraine	46		927 Grove
Gutridge, Stanley Holmes	46		11 Prospect
Hamburg, Ernestine Anna Mae	G F	Newport, Wash.	455 Park Ave.
Hamel, Virginia Rita	46		35 Eunice Ave.
Hartocollis, Effie	45		126 Coolidge Rd.
Harwood, Paul Vincent	45	New Bedford	114 Woodland
*Hastings, Leroy Nelson	43	Shrewsbury	
Hawkins, John Augustus	43	Port Jefferson, N. Y.	39 Stafford
Hayden, William George	46	Springfield	Estabrook Hall

NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
Healey, Frank Henry, Jr.	46	Fitchburg	42 Tirrell
Hébert, George Philip	43	Southbridge	
Hensel, Philip Bradford	46		71 Davidson Rd.
Heon, Pauline Florence	46		12 Wellington
*Heppenstall, Florence Catherine	45	Rutland	981 Main
Highberg, Emeline Colburn	46		40 Monterey Rd.
*Hill, Raymond Bertil	Edg		60 Housatonic
Hokans, Nancy Carol	Mus, 46		70 Mason
*Hollows, Ernest William	43		64 Florence
Hoogasian, Harry	45		66 Russell
Horton, Rita Caradonna	s		4 Northboro
Huff, Estelle Alberta	46	Holden	
Hughes, Mary Hazel	s		638 Pleasant
Humphlett, Wilbert Jephtha	43, Chg	Agawam	Estabrook Hall
Hunt, Gertrude Frances	43		117 Lincoln
Irizarry, Julio	46	Sabana Grande, P. R.	Estabrook Hall
Jackson, Earl Graves	Chg	Springfield	166 Woodland
*Jackson, Richard Errol	45	Shrewsbury	
James, William Henry	Ch F	Baton Rouge, La.	59 Dewey
Jankelson, Oscar Magnus	43		15 June
Jarvis, David Sumner	46		469 Grove
*Jensen, John Granville	G F	Seattle, Wash.	46 Woodland
Johnson, Arthur Russell	46		53 Raymond
*Johnston, Elwin Gordon	Bs		10 Andy Rd.
*Jones, Malcolm Kent	43		15 Birch
Jorress, Sumner Mark	46	Lynn	Estabrook Hall
†Jurva, Thelma Helena	46	E. Jaffrey, N. H.	38 Belmont
Kane, Lawrence Thomas	43		23 Clement
Karolkewicz, Henry Victor	44		7 Richland
Kaselis, Vincent William	43	Oxford	
†Kaufman, Mendel Joseph	46		172 Vernon
Kellstrand, John Sigfrid	46		4 Minthorne
Kesner, Morris Reuben	46		27 Providence
Kilpatrick, Richard Hardie, Jr.	45	Sterling	
King, Hanford Langdon	43		26 Kingsbury
†Kirley, Harold Clements	Gs		Holy Coss College
*Klamkin, Charles	46	Waterbury, Conn.	56 May
Knipe, Grace Gwendolyn	46		27 Marland Rd.
Korchin, Sheldon Jerome	Ps S	Brooklyn N. Y.	6 Hancock
Kramer, David	43	Dorchester	6 Charlotte
Kreisman, Wallace Samuel	44	Roxbury	57 May
Kuniholm, Carl Axel	46	Gardner	Estabrook Hall
†Langley, Alice Ethel	HS	Whitestone, N. Y.	14 Oberlin
LaRiviere, Robert Louis	43		923 Main
Latham, George Robert	46		105 Stafford
*Lauf, Paul Albert	43		173 Lincoln
*Law, Harry Lavegia	G F	Clarksville, Tenn.	166 Woodland
*LeClair, Edward Emile, Jr.	45	Southbridge	
*Lenk, Charles Ernest	43	Cherry Valley	
*Lennan, Albert Kendrick	43		65 Brantwood Rd.
*Lennan, David Richards	45		65 Brantwood Rd.
Lenti, Frank Michael	45		525 Grafton
Lewis, Robert Mitchell	45	Waban	Estabrook Hall
Lidstone, Frederick Bartlett	43		8 Catalpa
Litsky, Warren	46	Fitchburg	Estabrook Hall
Little, Martin Henry	Chg, S	Millbury	
Loa, David Kai-Foo	GS	China	
London, Lena	H F	Lake Mohegan, N. Y.	166 Woodland
*Longo, Vincent Joseph	43	Leominster	69 Mason
*Longton, Russell Creighton	46	Mendon	Estabrook Hall
Luebbe, Carl August	45	Upton	Estabrook Hall
Luebbe, Herbert	43	Upton	
Luksis, Lillian Anne	45		4 Carlstad
*Lurier, Harold Edmond	46		231 Park Ave.
*Macchi, Italo Alden	45		
†Macdonald, Donald	45	Putnam, Conn.	37 Anderson Ave.
MacShawson, Irving	46		Estabrook Hall
*Madden, Virginia Marie	46		31 Stoneland Rd.
Mader, James Walter, Jr.	IA S	Wichita, Kas.	1 St. Elmo Rd.
			166 Woodland

NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
*Magoun, Warren Read	44	Nitro, W. Va.	35 Maywood
*Malmquist, Carl Yale, Jr.	44		4 Coventry Rd.
†Malumphy, Thomas L'Herbette	B F	Housatonic	667 Main
Mandeville, Kathryn Gladys	Ed g		45 Institute Rd.
Mann, Walter	44	Sterling	
Marden, Janet Elizabeth	46	West Boylston	
Marsh, Donald West	45	Rutland	
Martin, Stuart Huxley	45		8 Jay
Martin, William Butler	45	Ashburnham	19 Richards
†Masiello, Carlo Antonio	Ch s		268 Shrewsbury
Mauke, Otto Russell	45	Webster	
McCarthy, Anne Marie	46		513 Cambridge
*McCarthy, Bernard William	Ed g		15 Hitchcock Rd.
*McCarthy, Robert Vincent	G s		39 Gates
McCrealy, Marie Agnes	44		66 Seymour
McGann, Mary Elizabeth	Ed g		48 Aetna
McGovern, Hugh Michael	43		2 Ives
McKenny, Ann Marie	46		99 June
McNamara, Charles William	45		40 Chamberlain Pky.
*Mencow, William Martin	46		21 Strathmore Rd.
Merriam, George Henry	43		11 Ferdinand
*Merzigian, Jacob	45		22 Bancroft
*Midgley, Malcolm Clegg	46		76 Davidson Rd.
Miller, John Thomas, Jr.	43	Watertown, Conn.	Estabrook Hall
Miskavich, Joseph Peter	46		4½ Sigel
Morel, Robert Edward	45	Hudson	Estabrook Hall
Morgan, Charles Stebbins	43		7 Marwood Rd.
*Morris, Charles Arthur	43		71 Malvern Rd.
Mrosek, John Rudolf	45	Manchester, Conn.	156 Woodland
Murphy, Alice Veronica	46		305 Massasoit Rd.
Murphy, Eleanor Jean	46		291 Beverly Rd.
*Nanigian, Jacob	45	Paxton	
Nanigian, Stella	46	Paxton	
Nelson, Donald Ralph	45		87 Fairfax Rd.
Nelson, Hersey Bradford	46		248 Burncoat
Nelson Kenneth Oscar	46		118 Clark
Nelson, Lester Henry	43		89 Lincoln
Nordstrom, Everett Renhult	46		22 Louise
Norris, Barbara Anne	46	E. Bridgewater	18 Downing
Norris, Forrest Harvey	43	No. Agawam	Estabrook Hall
†Nygard, Mildred Elvira	B s		71 Humes Ave.
Nylund, Walter Stanley	46		61 Stanton
O'Flynn, Ruth Ellen	46		7 Fiske
O'Gorman, Clare Marie	43		82 Woodland
O'Keefe, Daniel Patrick	44		205 Park Ave.
O'Keefe, Robert Joseph	46		205 Park Ave.
Olson, Earl Hugo	43		31 Halmstad
Olund, Paul H.	46		8 Cutting Ave.
Orr, Harry Dawson	44		36 Bellingham Rd.
Osten, Donald Walter	45	Jamaica, N. Y.	19 Richards
Pachanian, Sammy Arthur	46		150 Elm
Pahigian, Noriar	45		17 Millbury
Paldino, Rita Louise	44		124 Dorchester
Palley, Arthur	43		17 Havelock Rd.
Papale, Frank Anthony, Jr.	46		191 Austin
Pappas, Alex Michael	45	Auburn	
Parker, Barbara Bernice	46	Holden	
Parker, Edward Ingraham	46		9 Kenwood Ave.
*Patchett, Edward Heber	46		2 Preston
†Pearlman, Mary Ruth	B s	E. Lynn, W. Va.	25 Catharine
*Peepels, Kenneth James	G g	Franklin, Pa.	35 May
Perkins, Carl Wakefield, Jr.	44	Fitchburg	35 Maywood
Peterson, George Alfred, Jr.	46		1 Woods Ave.
Porter, Charles William	45	Agawam	114 Woodland
Porter, Rebekah Jane	44	Brookline	26 Main, Oxford
Powers, Mary Pauline	Ed g		16 Englewood Ave.
Price, Gordon Stephen	45	Fitchburg	342 Burncoat
Priest, Andrew George	44	Fitchburg	114 Woodland
†Profit, Dorothy Evelyn	Ed s		185 Highland
Putnam, Emmons Waldo, Jr.	46		39 Coventry Rd.
Quaiel, Philip Joseph	46		20 Circuit Ave.

NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
Queen, Adelle Lucille	45		139 Providence
Rabinovitz, Theodore John	46		12 Fairbanks
Raisanen, Toimi Kosti	Ch g		30 Boynton
Raphaelson, Murton Edward	43		39 Florence
Rawn, Mary Blanche	46	Grafton	
*Reczko, Edward Joseph	46		42 Windham
Redican, Ruth Cunningham	Ed g		19 Hudson
*Reed, Benjamin	46		71 Fox
*Reiman, Earl Allen	43		63 Maywood
Reison, Lionel Bertrum	46	Brooklyn, N. Y.	Estabrook Hall
Resnick, Oscar	44	Winchendon	42 Freeland
†Reynolds, Alice Nygard	s		29 Germain
*Reynolds, Floyd Edward	Ps F	Kirwin, Kas.	100 Woodland
*Rice, Dexter Bartlett	B s		6 Isabella
Richard, Robert Charles	46	No. Andover	Estabrook Hall
*Richardson, Robert Allen	46	Rutland, Vt.	16 Marble
*Riemer, Neal	43	Jersey City, N. J.	6 Charlotte
Risley, Edward Michael	46	Springfield	Estabrook Hall
Robinson, John Lewis	G F	Windsor Ontario, Can.	166 Woodland
Rodier, Nancy Katherine	45	Oxford	
Ronnholm, Paul Frederick	45		20 Auburn
Roper, Mary Alice	G g	Princeton	2 Downing
Rowan, Mary Josephine	IA S	Fredericton, N. B., Can.	3 Shirley
*Rudman Chester Landy	43	Newton Centre	6 Downing
*Rumpal, Bruno	H g	Springfield	
Russell, Margaret Mary	46	Millbury	
Sadowsky, Rose	44		42 Commodore Rd.
*Sagansky, Albert Paul	43	Brookline	Estabrook Hall
*Sak, Joseph Stephan	Ph s		28 Cargill Ave.
Salmon, Edward Philip	Ed g		27 Bellingham Rd.
*Salmon, Julia Agnes	Ed g		55 W. Boylston Dr.
Sampson, Donald Harding	46		12 Lowell
†Savaria, Georgette Yolande	46		9 Beverly Rd.
*Sawyer, Ivers Sidney	45	Berlin	
Schiller, Joseph	B F	Avenel, N. J.	166 Woodland
*Schneider, Barney	44		17 Mendon
†Schneider, Keith Morton	46	New York, N. Y.	Estabrook Hall
Schoenland, Roberta	H F	E. Orange, N. J.	14 Oberlin
Segal, Bennie	44		34 Morningside Rd.
Senecal, Irene Phyllis	44		8 West
†Shawmut, Paulina Celia	44		994 Pleasant
Shepro, David	45	Holyoke	Estabrook Hall
†Shulman Bernard Herman	46	Dorchester	Estabrook Hall
*Sibley, William Frederick	46	W. Springfield	Estabrook Hall
*Sigel, Irving Edward	43		94 Houghton
Silverberg, Joseph Edward	45	W. Boylston	
Silverman, Franklin Ira	46		413 Chandler
†Simmons, Anna G. E.	G g	Fitchburg	
Sinclair, Edward Elliot	43		5 Goulding
Singer, James Pious	46	Collingswood, N. J.	Estabrook Hall
Singer, Samuel	45		36 Derby
Sleeper, Murray Franklin	44		27 Sylvan
†Slein, Mary Madeline	46		12 Ashton
*Smith, Albert William	43	Hudson	
*Smith, Meverette Rose	s	Haydenville	
Smith, Robert Wallace	46		8 Arletta Ave.
Spongberg, Burton Victor	43		184 Fairmont Ave.
†Spreadbury, Bernice Louise	B s	Southbridge	10 Monica Rd.
Steinem, Ruth Adelaide	46		41 Terrace Dr.
*Stepanski, Matthew	Ed g	Jersey City, N. J.	19 Richards
*Stevens, Lloyd Russell	43	Marlboro	
*Stone, David Leon	43	Brookline	
Stringer, Carl John, Jr.	44		6 Downing
Suchodolski, Stanley John	Ph s		33 Brandon Rd.
†Sullivan, Edward Patrick	Ec s		129 Endicott
Sullo, Joseph Gene	46	Waterbury, Conn.	466 Park Ave.
Sund, Kenneth Albert	43		Estabrook Hall
Sundeen, Lillian Evangeline	43		28 Rodney
*Svenson, Chester Frederick	46		46 Channing
			9 Montvale Rd.
Tagliavini, Carlo Armand	46	Springfield	
*Tatham, Lewis Charles	46	Augusta, Me.	Estabrook Hall
†Teran, Gerald	46		Estabrook Hall
			12 Allendale



NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
Theodore, Louise	En s		8 Bluff
*Thurlow, Henry Anderson	46	Leominster	
Towers, Ruth Violet	Ed g	Auburn	
Travers, William Owen, Jr.	46		94 Forest
Tuerk, Ben, Jr.	44	Bayside, N. Y.	Estabrook Hall
*Vamvas, Anthony Demetrius, Jr.	43		100 Richmond Ave.
†Vance, James Elmon, Jr.	46	Natick	Estabrook Hall
Van Cott, Stuart Waldron	s	Oxford	
Van de Workeen, Ivan Boris, Jr.	45		14 Charlotte
†Van Valkenburg, Mariane	46		11 So. Flag
Van Winkle, Edward Kingsland	RL s		919 Pleasant
Vogt, Mary Cameron	GS	Rochester, N. Y.	41 Beaver
Vranos, Effie	43		127 Highland
Wade, Alan Bennett	43	Grafton	
Wade, Harold Hamilton, Jr.	44	Grafton	
Wahlstrom, Esther Mary	H g		9 Bayberry Rd.
Warman, Henry John	GF	Norristown, Pa.	166 Woodland
Wawrzyniak, Loretta Anne	46	Webster	
Weiner, Milton Gershon	45		17 Varnum
Weiss, Irving Myer	B g, S		8 Lagrange
Werblin, Ruth Diana	46		28 Richmond Ave.
Westland, Erma Elizabeth	46	Frazer, Mont.	1 Benefit Ter.
Wheeler, Barbara Claire	46	Leominster	
Wheeler, Russell Arthur	43		142 Belmont
Williams, Lloyd Arthur	43	Jersey City, N. J.	4 Norwood
*Williams Malcolm	45		7 Greenhill Ave.
Wills, Bernt Lloyd	GF	Leonard, N. D.	871 Main
Winchell, William Henry	46		30 Lenox
*Wolkowich, Leon Julian	45		159 Providence
Woodman, Charles Austin	45	Oxford	
Wright, James Clifton	45	Fitchburg	35 Maywood
Wylie, William James, Jr.	46	No. Agawam	Estabrook Hall
Yagjian, Arthur	45		3 Lapierre
Yetvin, Ralph	43		49 Havelock Rd.
Yoffe, Graenem Abba	46		6 Woodford
Ziemiak, Leo William	43	Pittsfield	70 Greenhill Pkwy.
Zulieve, Anthony Joseph	46		13 Ashmont Ave.
Zurawinski, Haline Therese	46		72 Fairfax Rd.

## II. SUMMER TERM STUDENTS (1942)

Abbot, Persis L., Worcester	Burrage, Ronald C., Jr., Gardner
Adams, Martha L., Worcester	Burwick, Estelle, Worcester
Adshead, Mona, Auburn	
Allain, Donald, Worcester	Carlstrom, Delna P., Worcester
Allen John W., Jr., Worcester	Carroll, Helen S., Worcester
Anderson, Robert I., Worcester	Carroll, Lillian C., Worcester
Appenzeller, Robert G., Worcester	Cesari, Carlos A., Yauco, P. R.
Ash, Warren H., Worcester	Chandler, Arnold E., Worcester
	Chavoor, Ashur, Worcester
Baker, Mary L., Cambridge	Chused, Samuel, Haverhill
Banks, Marian B., Toronto, Can.	Comeau, Norman D., Spencer
Baptist, Francis C., Worcester	Cragg, Myrtle, North Hills, Pa.
Barbadoro, Henry D., Milford	Cramer, Herbert, Worcester
Barnes, Frances N., Winchendon	Crosby, Eleanor J., Worcester
Baxter, George J., Worcester	
Beck, Mildred L., Worcester	Dalrymple, Eugene P., Worcester
Beck, Robert N., Worcester	Deignan, Francis J., Worcester
Bellefleur, Doris, Worcester	Deranian, Hagop M., Worcester
Bellefleur, Mary G., Worcester	Derabian, Kevork, Milford
Bergstresser, Robert S., Minersville, Pa.	Derry, Lawrence J., Worcester
Bernier, Emil L., Webster	Dillon, Helen E., Worcester
Besnia, Howard J., Worcester	Doyle, Mary M., No. Brookfield
Blanchard, Cyrus L., Douglas	Dunbar, Allen S., Barre
Bopp, Fred H., Worcester	
Bouvier, Simone T., Whitinsville	Easton, Dexter M., Lambertville, N. J.
Brooks, Gordon H., Cherry Valley	Eaton, Louise S., Worcester
Brooks, Kenneth A., Jr., Worcester	Ebenstein, Shirley R., Worcester
Brunmark, John R., Worcester	Eckman, Harold, Worcester

Ellis, Richard B., Oxford  
Emery, William R., Worcester  
Escolas, Edmond L., Worcester

Flynn, Ann P., Holyoke  
Foley, Margaret A., Worcester  
Forget, Robert C., Boston  
Fountain, Gordon S., Dodge  
Fox, Lawrence, Albany, N. Y.  
Fryburg, George H., Worcester

Gately, Charles F., Marlboro  
Gately, Edward J., Marlboro  
Gates, Jesse A., Webster  
Goodstein, Bernard J., Worcester  
Gray, Grant H., Fresno, Calif.

Hagopian, Alice N., Worcester  
Hastings, Leroy N., Shrewsbury  
Healey, James R., Worcester  
Hendricks, Jennie L., Holden  
Hennebery, Catherine J., Millbury  
Higgins, Margaret B., Worcester  
Hjerpe, William G., Shrewsbury  
Hokans, Nancy C., Worcester  
Hollows, Ernest W., Worcester  
Hoogasian, Harry, Worcester  
Horton, Rita C., Worcester  
Huff, Alice R., Worcester  
Huff, Estelle A., Holden  
Humphlett, Wilbert J., Agawam

Jameson, Marie, Worcester  
Jankelson, Oscar M., Worcester  
Jensen, J. Granville, Seattle, Wash.  
Johnson, Arthur R., Worcester  
Jozefowski, Adele J., Worcester

Kane, Lawrence T., Worcester  
Kanef, Leonard, Worcester  
Kaselis, Vincent W., Oxford  
Klarkin, Charles, Waterbury, Conn.  
Korgen, Mollie, Cloquet, Minn.  
Kramer, David, Dorchester  
Kuivila, V. Theresa, Worcester

Ladd, Mary E., Burlington, Vt.  
Lanphear, Dorothy M., Southbridge  
Leary, Henry F., Worcester  
Leary, Robert L., Turners Falls  
Lenk, Charles E., Cherry Valley  
Lennan, Albert K., Worcester  
Letourneau, F. Wilfrid, Worcester  
Lis, Josephine, Worcester  
Longo, Vincent J., Leominster  
Lubowitz, Maurice, Worcester  
Luebbe, Herbert, Upton

Malmquist, Carl Y., Jr., Worcester  
Manter, Catherine, Whitinsville  
Marshall, Janice, Worcester  
Martin, Stuart H., Worcester  
Mayo, Frances L., Holden  
McDermott, Mary J., Worcester  
McGann, Mary E., Worcester  
McGovern, Hugh M., Worcester  
Mednikoff, Morris, Worcester  
Merriam, George H., Worcester  
Miller, John T., Jr., Watertown, Conn.  
Miller, William K., Bronx, N. Y.  
Moran, Mary F., Worcester  
Moriarty, Virginia, Worcester  
Morris, Charles A., Worcester

Nelson, Donald R., Worcester

Nelson, Kenneth O., Worcester  
Norbery, Louise M., Uxbridge  
Nylund, Walter S., Worcester

O'Coin, Ruby A., No. Brookfield  
Ogilvie, Bruce C., Longmeadow, R. I.  
Olson, Earl H., Worcester  
Olund, Paul H., Worcester  
Osborn, Caroline L., Worcester

Paldino, Rita L., Worcester  
Pariseau, Edna R., Biddeford, Me.  
Poulos, Sue, Worcester  
Powers, Mary P., Worcester  
Price, Gordon S., Fitchburg

Quaiel, Philip J., Worcester  
Quinn, Margaret, Whitinsville

Raphaelson, Murton E.,  
Rawn, M. Blanche, Grafton  
Reiman, Earl A., Worcester  
Rettig, Heinz, Worcester  
Rice, Rebecca, Worcester  
Riemer, Neal, Jersey City, N. J.  
Roper, Mary A., Princeton  
Rudman, Chester L., Newton Center  
Rumpal, Bruno, Springfield  
Russell, Ethel S., Worcester  
Sabourin, Alice, Webster  
Sagansky, Albert P., Brookline  
Salmon, Julia A., Worcester  
Savatsky, Celia, Worcester  
Sawyer, I. Sidney, Berlin  
Shawmut, Paulina C., Worcester  
Sherblom, Edward R., Holden  
Shismanian, Edward C., Worcester  
Sigel, Irving E., Worcester  
Sinclair, Edward E., Worcester  
Singer, Samuel, Worcester  
Skinner, Isabel M., Worcester  
Smith, Arthur K., Worcester  
Smith, Leonard I., Worcester  
Smith, Meverette R., Haydenville  
Sponberg, Burton V., Worcester  
Stevens, Lloyd R., Jr., Marlboro  
Stone, David L., Brookline  
Suchodolski, Stanley J., Worcester  
Sullivan, Arthur F., Worcester  
Sund, Kenneth A., Worcester  
Sundeen, Lillian E., Worcester

Vamvas, Anthony D., Jr., Worcester  
Van Cott, Stuart W., Oxford  
Van Valkenburg, Mariane, Worcester

Wade, Alan B., Worcester  
Wahlstrom, Esther M., Worcester  
Walsh, William E., New York, N. Y.  
Waterman, George E., Bradford  
Westland, Erma E., Frazer, Mont.  
Wheaton, Philip D., Putnam, Conn.  
Wheeler, Russell A., Worcester  
Wolkowich, Leon J., Worcester  
Wood, Charles A., Worcester  
Woodington, Margery G., Worcester  
Wright, Helen L., Worcester

Yeaton, Mary, Worcester  
Yetvin, Ralph, Worcester

Zartarian, Sadie, Worcester  
Zembrak, Nathan, Worcester  
Ziemlak, Leo W., Worcester

## III. STUDENTS ENROLLED IN THE WAR SERVICE TRAINING PROGRAM

(June 22 - September 12, 1942)

Argyropais, Lemonis J., Worcester	Johnson, Donald E., Harvard
Armstrong, Marion, Hamilton, N. Y.	Johnson, Georg A., Rossville, Ind.
Ball, Harvey R., Worcester	Lavergne, Eugene A., Northbridge
Barbadoro, Henry D., Milford	Loa, David Kai-Foo, Changsha, China
Bridge, Elizabeth G., Hazardville, Conn.	Long, Harriet R., Buffalo, N. Y.
Dossey, Earl S., Jr., Dallas, Tex.	Meleski, Harry J., Worcester
Fifield, Russell H., Readfield Depot, Me.	Peepels, Kenneth J., Franklin, Pa.
Frieswyk, Henry, Whitinsville	Reiner, Herbert, J., Lancaster
Gafvert, W. Louis, Holden	Smith, Albert W., Hudson
Greenberg, Archie, Portland, Me.	Wells, Dorothy M., Glens Falls, N. Y.
Jensen, Albert A., Worcester	Williamson, Mary F., Cedar Grove, N. J.

## IV. EXTENSION STUDENTS

1942 - 43

Amidon, Dorothy A.	Gatti, Ora J.	O'Regan, Marie J.
Antell, Leona M.	Goodlight, Gertrude L.	Rice, Rebecca
Beauregard, Marion R.	Hobbs, Genevieve F.	Robinson, Grace
Brennan, Elizabeth A.	Jones, Margaret T.	Rollins, Ellen H.
Carey, A. Blaind	Kangas, Aili A.	Salminen, M. Irene
Carlstrom, Delna P.	Kenney, Mary T.	Sanford Florence C.
Carmody, Catherine A.	Lisabitsky, Sylvia	Shea, Ella G.
Carroll, Lillian C.	Lynch, Mary W.	Sullivan, Mary F.
Ericson, Virginia M.	MacKoul, Eleanor K.	Torpey, Margaret F.
Ferguson, Esther A.	Mara, Agnes V.	Walthour, Mary J.
Foley, Gertrude F.	McDermott, Mary J.	Zendzian, Sophie M.
Gardella, Lillian K.	Medin, Elin	

## V. CANDIDATES FOR THE DEGREE OF BACHELOR OF EDUCATION IN ATTENDANCE DURING 1942-43 EITHER IN THE 1942 SUMMER TERM OR DURING THE REGULAR ACADEMIC YEAR

Amidon, Dorothy A.	Horton, Rita C.	Osborn, Caroline L.
Beauregard, Marion R.	Hughes, M. Hazel	Reynolds Alice N.
Bernard, Normand L.	Kenney, Mary T.	Rice, Rebecca
Carlstrom Delna P.	Kuivila, M. Theresa	Rollins, Ellen H.
Carroll, Lillian C.	Lisabitsky, Sylvia	Salminen, M. Irene
Eaton, Louise S.	Mara, Agnes V.	Shea, Ella G.
Foley, Gertrude E.	Medin, Elin E.	Torpey, Margaret F.
Gardella, Lillian K.	O'Coin, Ruby A.	Van Cott, Stuart W.
Goodlight, Gertrude L.	O'Regan, Marie J.	Zendzian, Sophie M.

## SUMMARY 1942-43

Undergraduates		342
Freshmen	158	
Sophomores	76	
Juniors	43	
Seniors	65	
Graduate Students		64
Special Students		33
Extension Students		35
Summer Term Students (1942)		185
War Service Training Program Students (1942)		22
		<hr/>
Total		681
Less duplications		109
		<hr/>
Net Total		572



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THE WOMEN'S COLLEGE  
OF  
CLARK UNIVERSITY



SUPPLEMENT TO BULLETIN 163

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CONSTANCE KALIRIS, Medical Director for Women

---

\*On leave of absence, all or part of 1942-43.



*Entrance to Jonas G. Clark Hall*



*Registering—The First Term*

## **The Women's College at Clark University**

Last fall Clark University enrolled a limited number of undergraduate women, and thus made a liberal arts education available for the first time to the young women of Worcester and vicinity who wished to live at home while attending college. This booklet is a report of some of the activities and achievements of the Women's College during its first year. It tries to tell other young women something about the College life and the work at Clark.



### **A Liberal Arts Education**

Clark now offers to men and women, a wide choice of courses, and provides facilities for specialization in fields ranging from Business Administration to Zoology. But the basic aim of a liberal arts college is not merely to equip a specializing student for future work in her particular field. By requiring her to choose one or two courses each year outside her "major" field of study, the liberal arts college shows the student the broad interdependence of all fields of human endeavor upon each other, and provides her with a wide enough knowledge to meet thoughtfully the increasingly complex problems of a complex world.



### **Courses**

In their first academic year, the students in the Women's College have taken courses in every one of the following departments:



*Biology Laboratory*

Ancient Languages  
 Biology  
 Chemistry  
 Economics and Sociology  
 Education and Psychology  
 Geography  
 Geology  
 German  
 History and International  
 Relations  
 Physics and Mathematics  
 Romance Languages

In addition to these courses leading to the degree of Bachelor of Arts, there are now three women enrolled in the Division of Business Administration and working for the Bachelor of Business Administration degree. In many of these courses women have led their classes.

Clark also offers an additional course, without scholastic credits, in Machine Shop Practice, for women who hope to take men's places in factories during the summer.

### **Organization**

The Women's College is not merely a collection of available courses. As organized by its advisors and by the students themselves, it has determined its own social and athletic life, and established itself as a welcome force in Clark's hitherto masculine world.



*Chemistry Laboratory*





*First Meeting—Machine Shop Practice*

The Advisory Board for the Women's College, listed in the front of this bulletin, consists of representatives from the principle High Schools of the city, of two Clark Alumnae, and of women prominent in the social and intellectual life of the Worcester community. Appointed by the Board of Trustees for one to three terms, these women serve to guide the Administration in anticipating the educational needs of the young women of the Worcester community. This year they first met at President Atwood's home, then at a reception given them by the girls. Recently, they gathered at the home of Mrs. Alexander Bullock to hear informal reports of Clark activities from eight undergraduate women. Their advice has helped the University in its service to the community, and has aided the organization and growth of the Women's College.

Supplementing the Advisory Board, women counselors have been available at regular hours in an office next to the



*Students and Counselor*

Women's Lounge, and have been of inestimable help. Next year, with the number of undergraduate women doubled, a Dean of Women will be appointed, to supplement the counselors.



### **Student Officials**

The Women themselves established a Student Council, consisting this year of two representatives graduated from each of Worcester's High Schools and one representative from the outside schools. This Council has recently evolved a tentative Constitution for the Women's College, the declared purpose of which, in part, is:

to enable all undergraduate women to have an equal opportunity in the formation of the Student Body policy, and to make such laws as are deemed necessary to govern the Women's Student Body.

The Council was established and embarked upon its constitutional deliberations; class officers were elected as listed inside the back cover. Under their direction, the Women's

College began solving its immediate problems, the first of which was the vexed question of a gymnasium. When the war and priorities put materials for the rehabilitation of the old gym out of the university's reach, the women's problem then was to persuade the men, to whom the Alumni Gymna-



*The Women's Basketball Squad*

sium is deeded, to approve its use by girls. The boys soon had cause to be pleased with their wisdom in ceding the Women's College a separate locker room, shower room, and private time in the Gym. The girls' basketball team, coached by Miss M. Hazel Hughes, athletic director, won seven out of eight games; the charming cheer leaders, chosen after spirited competition, aroused the Clark benches to unprecedented enthusiasm; and the Women's College, flushed with victory, challenged the Faculty Volley Ball Team. The contest is to take place on Spring Spree Day.



Athletics actually started in the Fall with the women's tennis tournament, won by Ann M. McKenny. Plans have been made, and equipment supplied, for field hockey and archery next fall. This spring, the Ping Pong tournament, tennis instruction, and a women's tennis team will fill the sports calendar.

At the present writing, plans for a joint Athletic Council with the men are being discussed. The council, when established, will pass on athletic awards for women as well as men.

1 1 1

### Activities and Social Life

In the first joint assembly of the fall, the officials of the various student activities at Clark, as is the custom, outlined the privileges, purposes, and duties of their respective organizations. Here the entering women first learned that they could become members of the *Scarlet* staff, the Boheme Committee, the *Pasticcio* staff, the Debating Club, and the Glee Club. They also discovered that they could not, as yet, become members of Gryphon (Clark's Honor Society), the Clark University Players, or the Theologues.

In the passing of two semesters, the women have enthusiastically accepted these invitations, and have gone some distance toward eliminating the prohibitions. The University Players have found the ladies indispensable, and have yet to produce without women in major roles. Gryphon has asked their advice, and the Theologues have been seen speaking with them. The women also have formed their own Interfaith Society. *The Scarlet* has eleven women on its staff, *Pasticcio* has nine,



and the Boheme Committee has found its two female members diligent in preparing for the "Bohemes," informal student dances. The women also have representatives on the Student Activity Fund Committee.

But mere statistics don't tell the whole story. Carol Bird has complained, mildly, that she is going to enjoy watching men put up decorations for the Bohemes next year, when she is a senior. And there have been murmurings in the *Scarlet* office that by-lines instead of leg-work will mark feminine activities when a few more girls are elected to the board; meanwhile the girls' basketball team has been getting more space than the boys, and the Boheme Committee has yet to schedule a dance that conflicted with one at Worcester Tech.

The Women's College has added life to the less formally organized activities at Clark, too. A freshman girl, Alice Cressey, won the scrap-drive crown for her class almost single handed when she brought in 8,800 pounds for the Clark Scrap pile. The departmental teas have almost doubled their attendance since girls as well as food have been assembled in the



*The Alumni Gymnasium*



*At an Informal Dance*

Gym lounge on Thursday afternoons. And the Women's College collected 228 books for the armed forces, 120 bundles of clothes for the Russian War Relief, and subscribed about 250 packages of cigarettes for the invalided soldiers at State Hospital. Eating at the dining hall has become more of a social interlude since the advent of the women, the dances have been better, and a treble note has been added to the dominant bass of the corridors.

1 1 1

### **Equipment**

Students in the Women's College will, generally speaking, have the same equipment available to them as the men. Men and women share the same classes, use the Library (with its 600 current journals and over 170,000 volumes), Atwood and Jonas G. Clark Halls, the Alumni Gymnasium, the tennis courts, the athletic fields, the music room, and the laboratories. But, like the Men's College, the Women's College has equipment of its own.



*A Corner in the Women's Lounge*

*The Women's Lounge*, pictured above, has been redecorated and furnished by Mr. and Mrs. Alexander H. Bullock in memory of A. George and Mary C. Bullock. It is kept in order and administered by the girls themselves, and provides a comfortable and tasteful lounge and study. During the morning it is a center for women undergraduates. After 1:00 P.M., men may enter upon invitation, by vote of the women undergraduates.

*The Women's Study* is a large, well-lighted room set aside in the Library for the exclusive use of the Women's College.

*The Locker Room*, on the ground floor of the Main Building, provides lockers where personal property may be left when not in use, and is additionally equipped with a ping-pong table, the gift of Dr. and Mrs. Dodd.

*The Alumni Gymnasium* has separate showers and dressing rooms set aside for the use of the Women's College.

*Living Accommodations.* There are at present no dormitories for women. The Women's College assumes no responsibility for residence facilities, it being expected that women students will live in their own homes or with relatives.

## Admission

Requirements for admission to the Women's College are the same as those for Clark College, the men's division of the University. These are as follows, and must total 15 units:

Required subjects—5 units

English, 3 units (4 years)

Mathematics, 2 units (Algebra and Geometry)

Restricted electives—7 or more units

Foreign language, 2 to 4 units

Social sciences, 2 or 3 units

Natural sciences, 2 or 3 units

Free electives—not more than 3 units in commercial or other subjects recognized by the high school for graduation.

### Quality requirements

15 acceptable certified units, or

14   “           “           “           and one “condition,” or

13   “           “           “           and two “conditions,” or

Average grades better than those of three-fourths of the graduating class.

“College Board” examinations are acceptable as credits.

A limited number of transfer students will be admitted to the upper classes, on the same basis as men.



## Expenses

### *Tuition Fee*

\$120 per semester, or \$240 per year.

### *Activities Fee*

\$10 per semester, or \$20 per year.

### *Matriculation Fee*

\$5 matriculation fee, payable but once, in the Freshman year.

### *Laboratory Fees*

\$5 per semester for each laboratory course.

\$10 per semester for the course on Practical Art.

### *Diploma Fee*

\$5 for the Bachelor of Arts diploma, payable at the beginning of the semester in which the degree is to be received.

No other fees are charged by the College.

Members of the Women's College may obtain meals in the College Dining Hall at reasonable prices, together with other men and women members of the University.

## Application

Full details on all of the foregoing matters are given in the Catalogue of Clark University; this, together with application blanks, may be obtained by writing to:

### THE WOMEN'S COLLEGE

Clark University

Worcester, Mass.

Because of the limited number of young women who will be admitted on May 24 or September 20, 1943, it is advisable to make at least tentative application at an early date.

The Fall semester begins on September 20, 1943.

Since many young people desire to accelerate their college programs a limited number of students about to graduate from secondary schools (high or preparatory) in June may enter Clark May 24th under the terms of a faculty ruling which reads, in part, as follows:

- a. students who graduate from high schools in June, 1943, may be admitted on May 24 at the beginning of the summer term, and
- b. other high school students who consider themselves prepared to enter college in May or September should forward their credentials to the Dean. Every applicant will be considered, but only high ranking students who have completed three and one-half years of study should apply.

## Student Body

NAME	CLASS	HOME ADDRESS	WORCESTER ADDRESS
Almquist, Arden	44	Salina, Kas.	Lanesboro Rd., Holden
Alter, Irene Frances	45	Brookline	752 Pleasant
Barriere, Eleanor Elizabeth	45		37 Dayton
Bird, Grace Carol	44		43 Beeching
Brigham, Barbara Ann	46		38 Winifred Ave.
*Brodsky, Thelma Shirley	45		1 No. Woodford
Burack, Harriet	46		1331 Main
*Camosse, Yolanda Delhia	46	Auburn	
Camp, Georgiana	46		2 Claremont Sq.
Carroll, Mary Virginia	46		13 Jefferson
Cassidy, Clare Therese	46	Uxbridge	6 Charlotte
Colton, Susanna Boylston	46		38 June
Cotzin, Dorothy Selma	46		49 Woodland
*Cressey, Alice Arlene	46	Saundersville	67 Downing
Crowe, Alice Helena	44		5 Michigan Rd.
*Cutler, Charlotte Josephine	45		20 Wabash Ave.
Cutting, Jean Phyllis	46	Holden	
Doolittle, Jane Emerson	46		48 Havelock Rd.
Doolittle, Nancy	45		9 Rexhame Rd.
Doran, Elizabeth Mary	45		76 Paine
Doyle, Ann Marie	46		930 Main
Driscoll, Florence Frances	46		48 Arlington
Emerson, Eleanor Margaret	46	Webster	
Ericson, Ruth Emelia	44	Hamden, Conn.	171 Woodland
Ermak, Mary	46	Farnumsville	
Feingold, Golda Muriel	46		925 Pleasant
Flynn, Marie Virginia	46		53 Sagamore Rd.
*Gale, Jeanne Edna	46	Dorchester	908 Main
*Gloster, Marilyn Ann	46		9 St. Elmo Rd.
*Gough, Ruth Louise	46		59 Vernon
Gullberg, Norma Lorraine	46		927 Grove
Hamel, Virginia Rita	46		35 Eunice Ave.
Hartocollis, Effie	45		126 Coolidge Rd.
Heon, Pauline Florence	46		12 Wellington
Highberg, Emeline Colburn	46		40 Monterey Rd.

## Student Body (Continued)

NAME	CLASS	HOME ADDRESS	WORCESTER ADDRESS
Hokans, Nancy Carol	46		70 Mason
Huff, Estelle Alberta	46	Holden	
Hunt, Gertrude Frances	43		117 Lincoln
†Jurva, Thelma Helena	46	E. Jaffrey, N. H.	38 Belmont
Knipe, Grace Gwendolyn	46		27 Marland Rd.
Luksis, Lillian Anne	45		4 Carlstad
Madden, Virginia Marie	46		1 St. Elmo Rd.
Marden, Janet Elizabeth	46		West Boylston
McCarthy, Anne Marie	46		513 Cambridge
McCrealy, Marie Agnes	44		66 Seymour
McKenny, Ann Marie	46		99 June
Murphy, Alice Veronica	46		305 Massasoit Rd.
Murphy, Eleanor Jean	46		291 Beverly Rd.
Nanigian, Stella	46	Paxton	
Norris, Barbara Anne	46	E. Bridgewater	18 Downing
O'Flynn, Ruth Ellen	46		7 Fiske
O'Gorman, Clare Marie	43		82 Woodland
Paldino, Rita Louise	44		124 Dorchester
Parker, Barbara Bernice	46	Holden	
Porter, Rebekah Jane	44	Brookline	26 Main St., Oxford
Queen, Adelle Lucille	45		139 Providence
Rawn, Mary Blanche	46	Grafton	
Rodier, Nancy Katherine	45	Oxford	
Russell, Margaret Mary	46	Millbury	
Sadowsky, Rose	44		42 Commodore Rd.
†Savaria, Georgette Yolande	46		9 Beverly Rd.
Senecal, Irene Phyllis	44		8 West
†Shawmut, Paulina Celia	44		994 Pleasant
†Slein, May Madeline	46		12 Ashton
Steinem, Ruth Adelaide	46		41 Terrace Dr.
Sundeen, Lillian Evangeline	43		46 Channing
†Van Valkenburg, Mariane	46		11 So. Flag
Vranos, Effie	43		127 Highland
Wawrzyniak, Loretta Anne	46	Webster	
Werblin, Ruth Diana	46		28 Richmond Ave.
Westland, Erma Elizabeth	46	Frazer, Mont.	1 Benefit Ter.
Wheeler, Barbara Claire	46	Leominster	
Zurawinski, Haline Therese	46		72 Fairfax Rd.



# College Women in Student Activities

## Class Officers

### Upperclass

President—Carol Bird (Junior)  
Vice President—Eleanor Barriere  
(Sophomore)  
Secretary—Ruth O'Gorman (Senior)  
Treasurer—Thelma Brodsky  
(Sophomore)

### Freshmen

#### First Semester

President—Barbara Norris  
Vice President—Virginia Hamel  
Secretary—Pauline Heon  
Treasurer—Ann McKenny

#### Second Semester

President—Barbara Norris  
Vice President—Virginia Hamel  
Secretary—Margaret Russell  
Treasurer—Ann McKenny

## SOCIAL

### *Social Committee*

Ruth O'Flynn, Chairman  
Nancy Doolittle  
Marie Flynn  
Marilyn Gloster

### *Boheme Committee*

Carol Bird  
Barbara Norris

### *International Relations Club*

Georgiana Camp  
Alice Crowe  
Mary Ermak

### *Debating Club*

Mary Slein  
Alice Crowe  
Jean Murphy  
Haline Zurawinski  
Harriet Burrack

### *Cheerleaders*

Ruth O'Flynn  
Clare Cassidy

## TENNIS TOURNAMENT

Winner—Ann M. McKenny  
Runner-up—Lillian Luksis

## BASKETBALL

Carol Bird—co-captain  
Ann McKenny—co-captain  
Margaret Russell  
Rose Sadowsky  
Harriet Burrack  
Adelle Queen  
Mildred Nygard  
Jane Doolittle  
Susanna Colton  
Marie McCarthy  
Clare Cassidy  
Golda Feingold  
Barbara Norris  
Pauline Heon—manager  
Ruth O'Flynn—manager

## THE SCARLET

Barbara Norris  
Dorothy Cotzin  
Ruth Ericson  
Eleanor Barriere  
Georgiana Camp  
Golda Feingold  
Susanna Colton  
Ann McKenny  
Norma Gullberg  
Emeline Highberg  
Ruth Steinem

## PASTICCIO

Susanna Colton  
Dorothy Cotzin  
Barbara Norris  
Haline Zurawinski  
Clare Cassidy  
Georgiana Camp  
Emeline Highberg  
Norma Gullberg  
Jean Murphy

## GLEE CLUB

Barbara Norris  
Carol Bird  
Clare Cassidy  
Ruth O'Flynn  
Haline Zurawinski  
Marie Flynn  
Effe Vranos  
Nancy Hokans  
E. Huff  
N. Doyle  
M. McCrealy



# CLARK UNIVERSITY

## *Mid-Year Commencement*

1943



### THURSDAY JANUARY TWENTY-ONE

Alumni-Senior Class Dinner,

Putnam and Thurston's

6:30 P.M.



### FRIDAY JANUARY TWENTY-TWO

Senior Prom, Alumni Gymnasium 8 - 1 P.M.



### SUNDAY JANUARY TWENTY-FOUR

Commencement Exercises

Address by Admiral Wat Tyler Cluverius

4:00 P.M.

Atwood Hall





# CLARK UNIVERSITY

Mid Year Commencement

JANUARY 24 1943



WORCESTER MASSACHUSETTS

# Order of Exercises

Processional: Marche Triomphale

*Théodore Dubois*

Invocation

REVEREND THOMAS SHERRARD ROY DD  
Pastor of the First Baptist Church

Commencement Address

REAR ADMIRAL WAT TYLER CLUVERIUS Retired  
President of Worcester Polytechnic Institute

The National Anthem

(The audience is asked to sing the first and third stanzas,  
the third being herewith printed)

3. Oh, thus be it ever when freemen shall stand  
Between their loved homes and war's desolation!  
Blest with victory and peace, may the heaven rescued land  
Praise the Power that hath made and preserved us a Nation!  
Then conquer we must, when our cause it is just,  
And this be our motto, "In God is our trust!"  
And the Star Spangled Banner in triumph shall wave  
O'er the land of the free and the home of the brave!

Statement by the President

Conferring of Degrees

Benediction

Recessional: Marche Religioso

*L N Cleramboult*

The audience will kindly remain  
standing during the recessional

## Candidate for the Degree of Bachelor of Education

Meverette Rose Smith

## Candidates for the Degree of Bachelor of Arts

Donald Allain  
Robert George Appenzeller  
Cyrus Lloyd Blanchard  
Norman Donat Comeau  
Lawrence John Derry  
Leroy Nelson Hastings Jr  
Ernest William Hollows  
Wilbert Jephtha Humphlett

Paul Albert Lauf  
Charles Ernest Lenk  
Vincent Joseph Longo  
Earl Allen Reiman  
Chester Landy Rudman  
Lloyd Russell Stevens Jr  
Anthony Demetrius Vamvas Jr

## Candidates for the Degree of Bachelor of Arts with Honors

Allen Stanley Dunbar with Honor in General Course and with Honors in  
Physics  
Dexter Morgan Easton with Honor in General Course  
Charles Arthur Morris with Honor in General Course and with Honors in  
Chemistry  
Irving Edward Sigel with Honor in General Course and with Honors in  
Psychology  
Albert William Smith with Honor in General Course and with Honors in  
Geography  
David Leon Stone with Honors in Economics and Sociology

## Candidates for the Degree of Bachelor of Arts with High Honor

Malcolm Kent Jones with High Honor in General Course and with Honors  
in Romance Languages  
Neal Riemer with High Honor in General Course and with Honors in  
History and International Relations

## Candidates for the Degree of Master of Arts

### *Economics*

Philip Edward Emerson

### *Geography*

Lemonis John Argyropais  
Helen Hoppe Balk

## Candidate for the Degree of Doctor of Philosophy

### *History and International Relations*

Elmer Oscar Arthur Plischke

## Candidates for Honorary Degrees

Wat Tyler Cluverius  
Esther Forbes

Presented by George Hubbard Blakeslee  
Presented by Loring Holmes Dodd

## Annual Collegiate Honors

### SENIORS

#### *First Honors*

Albert William Smith

#### *Second Honor*

Dexter Morgan Easton

Neal Riemer

David Leon Stone





CLARK UNIVERSITY

BACCALAUREATE  
SERVICES

In Atwood Hall

May Fifteenth, Nineteen Hundred and Forty-three

At Four O'Clock

# PROGRAM



TROIS PIÈCES EN STYLE LIBRE

*Vierne*

## PROCESSIONAL

CLARK MADRIGAL SINGERS

Ave Maria

*Arcadelt*

Prayer of Thanksgiving

*Netherlands Folk Tune*

SCRIPTURE READING

President Wallace W. Atwood

HYMN—St. Anne

SERMON—"Matched With His Hour"

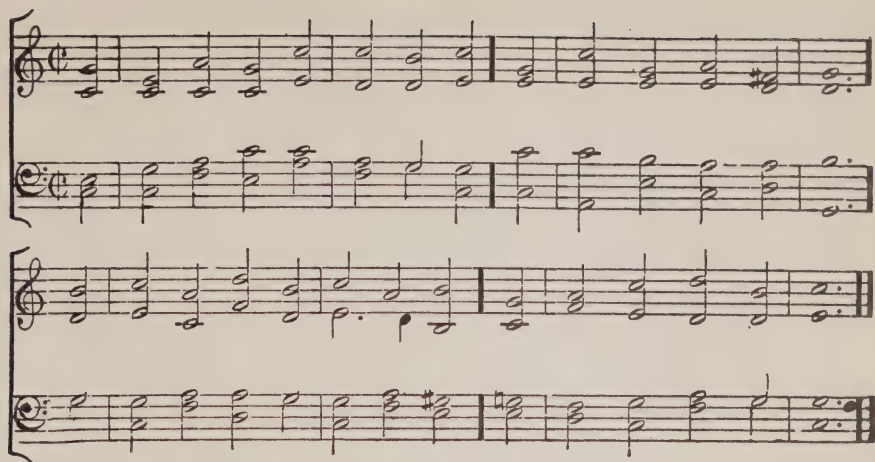
Dr. Thomas Sherrard Roy

HYMN—Old Hundredth

## RECESSIONAL

PRELUDE AND FUGUE IN C MAJOR

*Bach*



# ST. ANNE C.M.

O God, our help in ages past,  
Our hope for time to come,  
Our shelter from the stormy blast,  
And our eternal home.

Before the hills in order stood,  
Or earth received her frame,  
From everlasting Thou art God,  
To endless years the same.

Under the shadow of Thy throne  
Thy saints have dwelt secure;  
Sufficient is Thine arm alone,  
And our defense is sure.

A thousand ages in Thy sight  
Are like an ev'ning gone;  
Short as the watch that ends the night  
Before the rising sun.

O God, our help in ages past,  
Our help for time to come,  
Thou art our guide while ages last,  
And our eternal home.

*Isaac Watts*

(St. Anne is taken from the famous "Worcester Collection,"

printed in this city by Isaiah Thomas in 1786.)

OLD HUNDREDTH L.M.

Be Thou, O God, exalted high,  
And as Thy glory fills the sky,  
So let it be on earth displayed,  
Till Thou are here and now obeyed.

(Old Hundredth is the only hymn popularly surviving today from the "Bay Psalm Book,"  
the first book printed in America, at Cambridge in 1640)

CLARK MADRIGAL SINGERS

T. CHARLES LEE, *Director*

Sumner Berlyn	Herbert Luebbe
Morris Kesner	Ralph Ditchik
William Winchell	Lloyd Williams
Organist: T. Charles Lee	

The audience is requested to stand while the procession leaves the hall





# CLARK UNIVERSITY

## *Commencement Week*

PROGRAM

1943

**FRIDAY MAY FOURTEEN**

Alumni Council	4 P M
Lounge Room Alumni Gymnasium	
Commencement Ball	9-1
Alumni Gymnasium	

**SATURDAY MAY FIFTEEN**

Alumni Business Meeting	11 A M
Lounge Room Alumni Gymnasium	
Class Day Exercises	11:30 A M
Atwood Hall	
Alumni Luncheon	1:15 P M
Alumni Gymnasium	
Baccalaureate Sermon	4 P M
Dr. Thomas Sherrard Roy	
Atwood Hall	
Class Reunions	6:30 P M

**SUNDAY MAY SIXTEEN**

Commencement Exercises 4 P M

Address by the Honorable Joseph Clark Grew  
Atwood Hall

Admission to the Commencement Exercises is by ticket. Tickets may be obtained from the General Office. Alumni should make their reservations through the Alumni Office.

Special reunions will be held by the Classes of 1908 1913 1918 1923 1928 1933 1938 1940 and 1942. Early reservations for the Commencement events should be made, otherwise tickets cannot be guaranteed. Tickets for the Alumni Luncheon are \$1.25. For the Commencement Ball, \$2.20 a couple (including tax).





# CLARK UNIVERSITY

Fifty-third Annual Commencement

MAY 16 1943



WORCESTER MASSACHUSETTS

# Order of Exercises

Processional: Litanía Solenne

*Garth Edmundson*

Invocation

REVEREND THOMAS SHERRARD ROY DD  
Pastor of the First Baptist Church

Commencement Address THE HONORABLE JOSEPH CLARK GREW  
Formerly United States Ambassador to Japan

The National Anthem

(The audience is asked to sing the first and third stanzas,  
the third being herewith printed)

3. Oh, thus be it ever when freemen shall stand  
Between their loved homes and war's desolation!  
Blest with victory and peace, may the heaven rescued land  
Praise the Power that hath made and preserved us a Nation!  
Then conquer we must, when our cause it is just,  
And this be our motto, "In God is our trust!"  
And the Star Spangled Banner in triumph shall wave  
O'er the land of the free and the home of the brave!

Statement by the President

Conferring of Degrees

Benediction

Recessional: Cortége

*Garth Edmundson*

The audience will kindly remain  
standing during the recessional

## Candidates for the Degree of Bachelor of Education

Normand Lucien Bernard  
Stuart Waldron Van Cott

## Candidates for the Degree of Bachelor of Arts

Lloyd Anderson  
William Richard Brotherton  
Pat Denardo  
Charles Francis Gately  
John Augustus Hawkins  
George Philip Hebert  
Vincent William Kaselis  
Hanford Langdon King Jr  
Robert Ford Kirkpatrick  
Robert Louis LaRiviere  
Albert Kendrick Lennan  
Frederick Bartlett Lidstone

Hugh Michael McGovern  
Charles Stebbins Morgan  
Lester Henry Nelson  
Forrest Harvey Norris Jr  
Clare Marie O'Gorman  
Earl Hugo Olson  
Arthur Palley  
Murton Edward Raphaelson  
Burton Victor Spongberg  
Lillian Evangeline Sundeen  
Effie Vranos  
Russell Arthur Wheeler

## Candidates for the Degree of Bachelor of Arts with Honors

Roy Stuart Anderson with Honors in Chemistry  
John Patsy Augelli with Honor in General Course  
Leonard Cohen with Honors in Psychology

## Candidates for the Degree of Master of Arts

### *Biology*

Irving Myer Weiss

### *Chemistry*

Walter Lawrence Foy  
Earl Graves Jackson  
Martin Henry Little

### *Economics and Sociology*

Manuel O Díaz

### *History and International Relations*

Robert Carlton Delk

### *International Affairs*

Mary Josephine Rowan

### *Psychology*

Sheldon Jerome Korchin

## Candidates for the Degree of Master of Arts in Education

Catharine Annette Burnham  
Helen Sara Carroll  
Elizabeth Mary Derby  
Bernard William McCarthy  
Mary Elizabeth McGann  
Ruth Cunningham Redican  
Julia Agnes Salmon

## Candidates for the Degree of Doctor of Philosophy

### *Chemistry*

Roscoe Sawtelle Smith

### *Economics and Sociology*

William Kling

### *Geography*

Ruben LeRoy Parson

Anthony Joseph West

## Honorary Degree

Joseph Clark Grew

Presented by George Hubbard Blakeslee

## Annual Collegiate Honors

### SENIORS

#### *First Honors*

John Patsy Augelli

#### *Second Honors*

Charles Francis Gately

Earl Reiman

### JUNIORS

#### *Second Honors*

Herbert Richard Becker

Rose Sadowsky

Wallace Samuel Kreisman

Bennie Segal

### SOPHOMORES

#### *First Honors*

Lawrence Fox

#### *Second Honors*

Irene Frances Alter

Elizabeth Mary Doran

Kenneth Arthur Brooks Jr

Elihu Herman Fein

### FRESHMEN

#### *First Honors*

Dorothy Selma Cotzin

#### *Second Honors*

Charles Atamian

Herman Gadon

Alden Gamaliel Beaman

Alvin Harvey Goff

Barbara Ann Brigham

Nancy Carol Hokans

Florence Frances Driscoll

George Robert Latham

Eleanor Margaret Emerson

Erma Elizabeth Westland

### PRENTISS HOYT PRIZE IN POETRY

Second Prize awarded to Estelle Alberta Huff  
For the Poem "Two Kinds of Cold"



*Dec. 13, 1943 - Carl John Stringer, Jr. - B. B. A.*

## CLARK UNIVERSITY

### Final Assembly of the 1943 Summer Term

August 11, 5:00 P.M.

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Processional: Marche Religioso

*Clerambault*

Conferring of Degrees

President Atwood

#### **Bachelor of Education**

Anna Blamid Carey  
Delna Pauline Carlstrom  
Rita Caradonna Horton\*

#### **Bachelor of Arts**

Gertrude Frances Hunt  
Lawrence Thomas Kane  
Herbert Luebbe

Heinz Rettig  
Lloyd Arthur Williams  
Leo William Ziemplak

Edward Elliot Sinclair  
(With high honor)

#### **Bachelor of Business Administration**

Bennie Segal

#### **Master of Arts**

##### *In Geography*

Mildred Marie Danklefsen  
Archie Greenberg  
David Kai-Foo Loa  
Mary Cameron Vogt

#### **Doctor of Philosophy**

##### *In Chemistry*

Olier Ludger Baril

Recessional: Marche Triomphale

*Dubois*

\*Degree to be awarded on the completion of a small amount of additional work.









# CLARK UNIVERSITY BULLETIN



Six-Week Session—May 24-July 2

Six-Week Session—July 6-August 13

SUMMER TERM NUMBER  
JANUARY, 1943

## Calendar

### *First Session*

May	24	Monday, 9 A.M. to 12 M. Registration.
May	25	7:50 A. M. Regular classroom work begins.
July	1-2	Final examinations.

### *Second Session*

July	6	Tuesday, 9 A. M. to 12 M. Registration. 8-10 P. M. President's reception to faculty and students.
July	7	7:50 A. M. Regular classroom work begins.
July	13	8:30 P. M. Lecture, with moving pictures. "Botanical Explorations in Labrador." Mr. David Potter.
July	16	8:30 P. M. "A Review of the International Situation." Mr. Van Valkenburg.
July	27	8:30 P. M. Lecture. "Writing Poetry and Making Love." Mr. Hoyt.
July	30	8:30 P. M. Moving Pictures.
August	3	8:30 P. M. The Enjoyment of Poetry. Verse Reading Choir. Verse Plays. Mr. Illingworth.
August	10	8:30 P. M. Moving Pictures.
August	12-13	Final examinations.
August	13	8:30 P. M. Final assembly. Conferring of degrees. Presentation of play under direction of Mr. Illingworth.

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All meetings will be held, unless otherwise announced, in Atwood Hall, Clark Auditorium.

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During the summer session there will be dramatic productions presented by members of the class in stagecraft.

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The Bulletin is published in January, March, September, October and December.

Entered as second-class matter, December 29, 1920, at the Post Office at Worcester, Mass., under the Act of August 24, 1912. Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized January 24, 1921.

# CLARK UNIVERSITY BULLETIN

NUMBER 162

JANUARY 1943



Six-Week Session—May 24-July 2

Six-Week Session—July 6-August 13

WORCESTER

MASSACHUSETTS

To CLARK UNIVERSITY:

I wish to enroll as a student in the Summer Term for 1943.

Name .....

Address .....

Date .....

Occupation during the past academic year.....  
.....  
.....

Graduate of what college, normal school, or other educational institution, with date of graduation?  
.....  
.....  
.....

---

TENTATIVE LIST OF SUMMER TERM COURSES WHICH APPLICANT DESIRES TO ENTER

.....  
.....  
.....

(Describe by Subject and Number, i.e., Geography 190)

Have you been accepted as a candidate for a degree?

At what institution? ..... What degree? .....

Have you ever attended the Clark University Summer Term?.....

If so, what was year of last attendance? .....

I shall attend the May 24 to July 2 session .....

I shall attend the July 6 to August 13 session .....



## THE SUMMER TERM

### OFFICERS OF INSTRUCTION AND ADMINISTRATION

WALLACE W. ATWOOD, PH.D.

President of Clark University and Director of the Graduate School of Geography.

HOMER P. LITTLE, PH.D.

Dean of the College and Professor of Geology.

HENRY M. BOSSHARD, PH.D.

Professor of German.

HAVEN D. BRACKETT, PH.D.

Professor of Greek and Latin.

†SAMUEL J. BRANDENBURG, PH.D.

Professor of Economics and Sociology.

\*JESSE L. BULLOCK, PH.D.

Professor of Chemistry.

GUY H. BURNHAM, A.M.

Cartographer.

†PHILIP H. CHURCHMAN, PH.D.

Professor of Romance Languages.

\*DANIEL C. DENNETT, JR., PH.D.

Assistant Professor of History.

\*LORING H. DODD, PH.D.

Professor of Rhetoric. Curator of Art.

DAVID M. DOUGHERTY, PH.D.

Associate Professor of Romance Languages.

\*KURT EHLERS, PH.D.

Assistant Professor of Economics.

W. ELMER EKBLAW, PH.D.

Professor of Geography.

\*ROBERT P. FISCHER, PH.D.

Assistant Professor of Psychology.

†ROY C. GUNTER, PH.D.

Assistant Professor of Physics.

NORRIS D. HOYT, PH.D.

Instructor in English.

†ROBERT S. ILLINGWORTH, A.M., ED.M.

Professor of Dramatic Art.

†VERNON JONES, PH.D.

Professor of Educational Psychology.

H. DONALDSON JORDAN, PH.D.

Professor of English History.

PAUL F. MARBLE, A.M.

Instructor in English.

‡ARTHUR E. MARTELL, PH.D.

Assistant Professor of Chemistry.

F. EUGENE MELDER, PH.D.

Associate Professor of Economics and Business Administration.

CAREY E. MELVILLE, A.B.

Professor of Mathematics.

BENJAMIN S. MERIGOLD, PH.D.

Professor of Chemistry and Director of the Chemical Laboratories.

RUDOLPH F. NUNNEMACHER, PH.D.

Assistant Professor of Biology.

DAVID POTTER, PH.D.

Professor of Biology.

\*PERCY M. ROOPE, PH.D.

Professor of Physics.

†EDWIN C. ROZWENC, PH.D.

Assistant Professor of American History.

†KATHRYN R. SCHNORRENBURG, M.A.

Director of Workshop in Geography.

SAMUEL VAN VALKENBURG, PH.D.

Professor of Climatology and Regional Geography.

HENRY J. WARMAN, M.A.

Associate in Military Geography and Cartography.

EDITH M. BAKER

Acting Librarian.

FLORENCE CHANDLER

Bursar.

LYDIA P. COLBY

Recorder.

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\*First session only.

†Second session only.

## THE SUMMER TERM AT CLARK UNIVERSITY

In the second year of war for the United States, with the draft age at eighteen, and with manpower mobilization calling increasing numbers of women into service and industry, last year's need that institutions of higher learning speed up their programs has become this year's imperative.

That students may accumulate the maximum credit toward a degree, and secure education and training that will make them more serviceable to their country when they are called, Clark University offers its second year of full term Summer School. The 1943 summer term will be on a twelve-week basis, in two six-week sessions, from May 24th to August 13th. Special courses for teachers and other adult students will be provided in the second six weeks, from July 6th to August 13th.

IT CANNOT BE TOO STRONGLY STATED that the same care as formerly has been taken to meet the needs of teachers attending the second session of the summer term. Lectures and dramatic productions will be provided as heretofore. The available fields of study have been greatly increased, chiefly through additional courses leading to a better understanding of national and international problems. The second six weeks have been so planned that undergraduates, as well as adult students, may choose among many courses.

A normal program will consist of two courses, each course to yield three semester hours credit. Each six-weeks course will therefore earn a full semester's credit, and a subject carried for the full twelve weeks will yield credit for a full year's work in that field. Class meetings will total 60 minutes.

The six-week period from May 24th to July 2nd will enable college students remaining through the entire twelve week session appreciably to accelerate their education. Provision has also been made for other qualified students. In particular, students about to graduate from secondary schools (high or preparatory) in June may enter Clark under the terms of a faculty ruling which reads, in part, as follows:

- a. students who graduate from high school in June, 1943 may be admitted on May 24, at the beginning of the summer term, and
- b. other high school students who consider themselves prepared to enter college in May or September should forward their credentials to the Dean. Every applicant will be considered, but only high ranking students who have completed three and one-half years of study should apply.

"High ranking students" is understood to mean students who have stood in or near the upper quarter of their class, and it is understood that students whose high school graduation is to be in June will have continued to attend school up to the time they enter college in May.

Under present circumstances, it is unlikely that physically sound men will be able to continue through college to a bachelor's degree. The summer session does, however, offer an opportunity for students under the present draft age to obtain credit toward the bachelor's degree before they are called to service. The summer session also offers, to entering students, opportunities better to qualify themselves for specialized service with the armed forces (see page 9). Finally, the summer session can assist students from other institutions to accelerate their college programs, and should be especially valuable to Worcester men or women normally in attendance at colleges which do not as yet have summer terms.

### *Location and Buildings*

Clark University is located on Main Street about a mile and a quarter southwest of the City Hall. Trolley cars and buses run directly past the University.

The office of the Summer Term is located in Jonas G. Clark Hall, in the general offices of the University. The office of the President of the University is in the Geography Building.

All classroom, library, and laboratory facilities of the University that pertain to the subjects of instruction offered are at the disposal of students of the Summer Term.

### *The Library*

The Library of the University was generously endowed by Jonas G. Clark, and affords favorable opportunities for study and research. The Library now owns more than 170,000 bound volumes and pamphlets, and the Reading Room receives more than 600 journals. All the privileges of the Library are open to all members of the University, and each member has direct access to every book and journal.

In addition to the library facilities provided by the University, students may avail themselves of the privileges of other excellent libraries in the city. The Worcester Public Library contains 250,000 volumes. The Library of the American Antiquarian Society, housed in Worcester, the national headquarters of the Society, contains more than 500,000 volumes and pamphlets. These libraries are pleased to serve Clark students.



### *Admission to the Summer Term*

All correspondence concerning the Summer Term should be addressed to the Dean of the College. Applicants who have not been regularly enrolled during the current year should detach and fill out the form in this BULLETIN (page 2) and forward it to the Dean.

Registration of students will take place on May 24th and July 6th. Before registering, students should, as far as possible, determine through personal conference or correspondence with the Dean or the various instructors, the courses in which they expect to register.

Formal registration will take place between 9:00 A. M. and noon on Monday, May 24th and on Monday, July 6th in Jonas G. Clark Hall. All instructors will be available for consultation and for signing registration cards between these hours. Class work will begin the following morning.

### *Credit for Work Done*

Courses of instruction in the Summer Term range from those of college grade to strictly graduate courses and include many equally suitable for advanced undergraduate or graduate students.

Unless otherwise announced, each six-week course is designed to cover the equivalent of three semester hours of credit, and is so credited when applied toward a degree from Clark University. Two courses constitute a full schedule; a maximum of three courses may sometimes be taken by teachers, but only with the consent of the Dean. With the written consent of the instructor, students may attend other classes as auditors.

A certificate, with a statement of courses taken and grades received, will be furnished at the close of the session to all students who desire it. In order to obtain a prompt report, students should leave a stamped and addressed envelope at the Recorder's office during the last week of the session.

Summer Term courses may be applied toward the fulfillment of the requirements for the degree of Bachelor of Arts, Bachelor of Education, Master of Arts, or Master of Arts in Education, *subject to the general regulations of the University.*

### *Tuition and Fees*

A fee of twenty-four dollars for each six weeks of each course taken for credit will be charged all students. The fee for the full schedule of two courses carried for twelve weeks will thus be ninety-six dollars, and a full program for six weeks will be forty-eight dollars. Students registering for two courses in either or both six weeks will be charged

the same fee whether they register as auditors or for credit, but a student carrying a full program for credit will be permitted to enter a third course as an auditor without additional fee. Students may register for one or two courses in either or both six weeks, and the fees paid will admit all students to the privileges of the summer term on the same basis. Candidates for the Bachelor of Education degree are occasionally permitted to carry three courses for credit if they obtain the consent of the Dean to do so. All fees for each session must be paid by the second week of the session. Checks should be made payable to Clark University.

Students registering in the Summer Term who have not previously been enrolled in Clark University are required to pay a matriculation fee of five dollars. This fee is not returnable.

Tuition may be paid at any time before 5 P. M. of Thursday, May 27th, for the first session and Thursday, July 8th, for the second session. Checks should be made payable to Clark University.

Laboratory fees in biology and chemistry are five dollars for each six-week course. In chemistry a five dollar deposit against breakage is required for each six-week course.

### *Board and Room*

Women not candidates for the Bachelor of Arts degree may be accommodated in Graduate Hall if reservations are received sufficiently early. Candidates for the Bachelor of Arts degree in the Women's College must live either at home or with relatives. Men may room in Estabrook Hall at \$3.00 or \$3.50 per week. Rooms are also available in private homes at prices ranging from \$3.00 to \$5.00 per week.

Meals at moderate rates will be served at the University Commons in Estabrook Hall if there is sufficient demand.

### *The Summer School Association*

The Summer School Association was organized by the students at the first session of the School in 1921 to promote social activities. Every student is urged to participate in the activities of the Association.

### *THE DEGREE OF BACHELOR OF ARTS FOR MEN*

Students who have been admitted to the Undergraduate Department of the University may secure a maximum credit of two full courses toward the Bachelor of Arts degree in a summer term.

### ***The Reserve Programs***

Enlistment in various reserve branches which permits undergraduates to continue their college work on a deferred basis has been limited to physically qualified students seventeen years of age, according to recent orders of the War and Navy Departments. Clark men seventeen years old may enlist in Class V-5, United States Naval Reserve (Naval Aviation Cadets), the Army Enlisted Reserve Corps, and the Air Corps Enlisted Reserve. Students who enroll in the two last named branches will be ordered to active duty "within six months after reaching their eighteenth birthday," whereas V-5 enlistees may remain in college for the remainder of the academic year in which they enlist.

Freshmen admitted to Clark in May, 1943, *who desire a maximum of technical training before entering the armed services*, may take courses similar to those outlined in the Navy College Training Program: English Composition, Meteorology, Military Geography, Cartography, General Physics, Freshman Mathematics, Elementary Statistics. Year courses in Freshman Mathematics and General Physics, emphatically recommended in all reserve programs, will be covered in the twelve-week summer session and will be open to entering students.

### **THE DEGREE OF BACHELOR OF ARTS FOR WOMEN**

The Women's College of Clark University makes it possible for young women to continue their liberal arts education in Worcester during the summer term. A limited number also may enroll at Clark for the bachelor's degree. Work begun during the summer term of 1943 may be credited toward the bachelor's degree. Requirements for admission and for the degree are the same as those for Clark College, the men's division of the University.

### ***Living Accommodations***

There are at present no dormitories for women. The Women's College assumes no responsibility for residence facilities, it being expected that women students will live in their own homes or with relatives.

For further information concerning the Women's College write to the Dean of Clark College.

### **THE DEGREE OF BACHELOR OF EDUCATION**

The degree of Bachelor of Education is offered to teachers, both men and women, who have completed a two-year normal school course and have had at least one year of teaching experience, or their equivalent. Candidates for this degree are under the direction of the Committee on Extension Courses and Special Students.

The degree is awarded on the satisfactory completion of a program of studies aggregating slightly more than the equivalent of two years of regular college work, in addition to the two-year normal school course. Candidates for the degree may earn the necessary credit in summer term, in extension courses ("Courses of College Grade for Adults") offered to meet the needs of candidates for this degree, and in regular college courses. A minimum of thirty (30) semester hours must be earned in residence at Clark University. All or part of the balance may be earned elsewhere, *subject to approval in advance by the Committee on Extension Courses and Special Studies or its authorized representative*. Courses not conducted under the auspices of a recognized institution of college grade are not accepted for "credit," although such study may be the basis of relief from requirements in particular subjects.

A teacher in active service may normally earn a maximum of four semester hours of credit in each semester of the academic year, six hours in a six-week summer session, and twelve hours in the twelve-week summer term. This enables a graduate of the two-year normal school course to complete the requirements for the degree in five calendar years, and a graduate of the three-year course in a proportionately shorter time.

The program leading to the degree includes requirements in English, foreign language, laboratory science, social science, and education.

#### ***Rules and Regulations***

The more important rules affecting candidates for the degree of Bachelor of Education are stated in the regular catalogue, a copy of which may be obtained by writing the Dean.

### **THE DEGREE OF MASTER OF ARTS**

A student admitted to full graduate standing may satisfy the minimum residence requirement for the Master of Arts degree by attending five summer sessions of six weeks each, and taking a normal program made up exclusively of graduate courses approved by the department in which the student is seeking the degree.



The residence requirement may also be fulfilled in two full twelve-week terms and one six-week session, or by some other allotment of time providing a minimum of thirty weeks in courses of graduate grade.

A normal program during the Summer Term consists of two regular courses in addition to any departmental seminars.

Persons who wish to become candidates for the master's degree beginning with a summer session, should take up correspondence promptly with Dr. H. Donaldson Jordan, Secretary of the Graduate Board, Clark University. Application blanks with directions for making application for graduate standing will be furnished on request by the Secretary of the Graduate Board. Formal admission to graduate work by the department in which the student seeks the degree should then be secured in advance of the opening of the summer session.

A person who has already entered upon graduate work should arrange his program for the summer session of 1943 by corresponding with the department in which he is a candidate for a degree.

### THE DEGREE OF MASTER OF ARTS IN EDUCATION

*Residence Requirement.* The residence requirement for the degree of Master of Arts in Education is the same as for the Master of Arts degree described above, except that a minimum of 21 semester hours is set for the degree. Extension course credits may not be counted in fulfilling this requirement; however, many regular courses which will count toward the degree are scheduled in late afternoons and on Saturdays in the regular academic year.

*Course Requirements.* The student working toward the degree of Master of Arts in Education will be expected to elect one of the following groups of studies as the field in which he wishes to teach: (a) mathematics and natural sciences; (b) history and other social sciences; (c) ancient and modern foreign languages; (d) English, alone or in combination with some related subject.

Prior to receiving the degree, the candidate must have completed, in graduate and undergraduate courses combined, not less than five year-courses in one of the above groups, or in a combination of groups approved by the Division of Education. At least one year-course of the five must be taken at Clark University either in the regular academic year or in the summer session. In addition to the above requirement in the subject-matter field, 16 semester hours of graduate work in Education will normally be required of the candidate during resi-

dence. Also, the student must present a thesis, or special report, in which he demonstrates not only his grasp of the subject-matter which he plans to teach but also a mastery of the educational principles necessary for such teaching. Work in addition to the above requirements, either in a subject-matter field or in Education, or both, may be required if this seems necessary for the adequate preparation of the candidate.

*Admission.* Students whose first connection with the Graduate School of the University is in the summer session will not be formally considered for admission as regular graduate students until after a summer in residence. Students with good undergraduate records from their colleges, who obtain superior grades at Clark in the summer session, may expect to be accepted as regular graduate students.

## DEPARTMENTAL ANNOUNCEMENTS

Entering Freshmen are expected to consult with the Dean or some other member of the faculty before making out their course programs. Upperclassmen and graduate students should bear the following in mind in choosing courses:

Courses beginning with (1) are open to all undergraduates but do not yield graduate credit.

Courses beginning with (2) are open to advanced undergraduates and also yield graduate credit.

Courses beginning with (3) or higher numerals are limited to graduate students.

Courses with neither an (a) nor a (b) following their designating number continue through the full 12 weeks, and can be taken for separate six-week sessions only when designated "divisible" in the departmental announcements.

Courses with an (a) following their designating number are six-week courses given in the first session only.

Courses with a (b) following their designating number are six-week courses given in the second session only.

Courses open to Freshmen entering in May are indicated by an (F) in the margin opposite the course description.

## ANCIENT LANGUAGES

S.T.17a. GREEK CIVILIZATION. This course aims to give, upon a basis of a brief outline of the political, economic, and military history of Greece, a selective survey of those elements of Greek civilization which have most deeply and permanently entered into the fabric of western civilization.

*Daily, except Saturday, at 10:10.*

MR. BRACKETT

S.T.18b. GREEK LITERATURE IN TRANSLATION. The choice of the period of literature to be studied will be determined largely by the need of the registrants for the course. Possible subjects will be: (1) Greek Epic and Lyric Poetry (Homer's Iliad and Odyssey, Archilochus, Alcaeus, Sappho, Anacreon, Pindar, and Simonides); (2) Greek Prose (Herodotus, Thucydides, Plato, and Demosthenes); (3) Greek Tragedy, its origins and the seven tragedies of Aeschylus.

*Daily, except Saturday, at 10:10.*

MR. BRACKETT

## BIOLOGY

S.T.12a. COMPARATIVE ANATOMY OF THE VERTEBRATES. Designed for those students who have completed Biology 11. This course plus S.T.112b will be equivalent to Biology 12 as offered in the regular academic year.

*M.T.W.Th., at 10:10; Lab., M.W.F., at 2.*

MR. NUNNEMACHER

**F** S.T.15b. ECONOMIC BOTANY. Emphasis will be placed on those plants and plant products which are essential to a country at war. *Daily, except Saturday, at 7:50; Lab., M., at 2.* MR. POTTER

S.T.16b. HISTOLOGY. A course dealing with tissue structure, with emphasis placed on the study of mammalian tissues. *M.T.W.Th., at 9; Lab., T.Th.F., at 2.* MR. NUNNEMACHER

S.T.17a. EMBRYOLOGY. A course dealing with the early stages and development of animals. *M.T.W.Th., at 9; Lab., T.Th.F., at 2.* MR. NUNNEMACHER

S.T.18a. GENETICS. An introduction to the principles of genetics. *Daily, except Saturday, at 11:20.* MR. POTTER

**F** S.T.111a. OUTLINES OF BIOLOGY. A course specially designed for all students who plan to complete their pre-medical work in two years. Freshmen entering the pre-medical course in May should elect this course and S.T.112b. *Daily, except Saturday, at 7:50; Lab., M., at 2.* MR. POTTER

**F** S.T.112b. MAMMALIAN ANATOMY. Specially designed to prepare those students who plan to complete their pre-medical work in two years. Prerequisite course, S.T.111a. *M.T.W.Th., at 10:10; Lab., M.W.F., at 2.* MR. NUNNEMACHER

S.T.144b. BACTERIOLOGY. An introduction to the study of bacteriology, with special emphasis upon laboratory techniques. *Daily, except Saturday, at 11:20.* MR. POTTER

S.T.116 & Laboratory Technique  
M.T.W.Th. 7:50  
Potter and Nunnemacher

### BUSINESS ADMINISTRATION

**F** S.T.117. PRINCIPLES OF ACCOUNTING. An elementary course in the organization and use of financial records in business. Attention will be given to their interpretation as well as to the techniques of procedure. *Daily, except Saturday, at 9.* MR. MELDER

See also:

Economics S.T.14b. ECONOMIC HISTORY OF THE UNITED STATES. MR. BRANDENBURG

Psychology S.T.214a. PSYCHOLOGY OF ADVERTISING AND SELLING. MR. FISCHER

### CHEMISTRY

**F** S.T.11. GENERAL CHEMISTRY. Lectures and recitations on fundamental theory of chemical action and properties of commonly occurring elements and their compounds. Five lectures and recitations and ten hours laboratory work per week. *Daily, except Saturday, at 9.* MR. MARTELL AND MR. MERIGOLD



## THE SUMMER TERM

15

S.T.12a. QUALITATIVE ANALYSIS. Chiefly laboratory work, fifteen hours per week.

*To be arranged.*

MR. BULLOCK

S.T.13b. INTRODUCTION TO PHYSICAL CHEMISTRY. Prerequisite, 12a or equivalent.

*Daily, except Saturday, at 11:20.*

MR. MARTELL

S.T.14b. ELEMENTARY QUANTITATIVE ANALYSIS. Chiefly laboratory work. Fifteen hours of laboratory per week.

*To be arranged.*

MR. MERIGOLD

S.T.15. ORGANIC CHEMISTRY. Five lectures per week for twelve weeks.

*Daily, except Saturday, at 7:50.* MR. BULLOCK AND MR. MARTELL

S.T.214b. ADVANCED QUANTITATIVE ANALYSIS. Prerequisite course 14 or equivalent.

*To be arranged.*

MR. MERIGOLD

NOTE: Chemistry courses 11 and 214b will not be offered to fewer than five students.

S.T.110 Organic Synthesis. (Open only to

taking Chem. 9T.15)

## ECONOMICS AND SOCIOLOGY

(See also Business Administration)

*Economics*

S.T.14a. ECONOMIC HISTORY OF WESTERN EUROPE. Emphasis on the economic development of Germany, England, and France since 1870: trends in population, production and prices; labor and social reforms; industrial combinations, monopoly and imperialism; changes in economic policy; post-war problems.

*Daily, except Saturday at 7:50.*

MR. EHLERS

S.T.14b. ECONOMIC HISTORY OF THE UNITED STATES. Emphasis on the period since 1860: changes in agricultural and manufacturing techniques and output; relative importance of these two industries in the life of the nation; development of rail and highway transportation, of domestic and foreign commerce; monetary, tariff, and fiscal policies; industrial combinations and public control; the place of the United States in the economic world of today.

*Daily, except Saturday, at 7:50.*

MR. BRANDENBURG

S.T.23a. ECONOMICS OF WAR—FINANCE. An analysis of the financial task of our Government in the war effort: size and scope of the war and its implications for financial policies; effect of military expenditures on national production and on the distribution of money incomes among various groups; the inflation menace and its possible control; past and present governmental tax and loan policies.

*Daily, except Saturday, at 10:10.*

MR. EHLERS

S.T.23b. **ECONOMICS OF WAR.** A continuation of S.T.23a: what economic mobilization for modern war means in terms of labor, resources, civilian and military economic preparations; restraints on private enterprise and the extension of governmental controls. A study of economic problems to be faced in post-war reconstruction will form a final unit of the course.

*Daily, except Saturday, at 10:10.*

MR. BRANDENBURG

### ***Sociology***

**F** S.T.11a. **PRINCIPLES OF SOCIOLOGY.** An introduction to sociology by the problem approach. Principles are developed from the standpoint of the mal-functioning of existing social arrangements. No sociology prerequisite.

*Daily, except Saturday, at 11:20.*

MR. MELDER

S.T.19b. **EDUCATIONAL SOCIOLOGY.** Sociology in its relation to the fundamental problems of education. A study of the relation between the structure and culture of contemporary society and its formal and informal educational agencies; the problems which arise therefrom and a survey of attempted or proposed solutions. No sociology prerequisite.

*Daily, except Saturday, at 11:20.*

MR. MELDER

## **DEPARTMENT OF ENGLISH AND DRAMATICS**

### ***English***

**F** S.T.11. **ENGLISH COMPOSITION.** This course aims to increase clarity and accuracy of expression in writing, and to teach the ways in which words convey meaning. Written papers, primarily expository, are assigned, together with readings and book reports. Required of all entering freshmen. (All freshmen must keep the 9:00 hour and the 11:20 hour open until the results of placement tests are obtained.) Not divisible.

*Daily, except Saturday, at 9 and 11:20.*

MR. HOYT

S.T.12b. **PUBLIC SPEAKING.** The composition and delivery of speeches; practice in impromptu speaking. The student is taught to breathe correctly and exercises are given to overcome speech defects. Relation of speaker to audience, posture, movement, gesture, pronunciation, enunciation, and vocabulary building are touched upon. The course aims to train the student to think logically and to speak simply and effectively when on his feet.

*Daily, except Saturday, at 9:00.*

MR. ILLINGWORTH

S.T.13b. **SHAKESPEARE.** A general survey of Shakespeare's works, including the reading and class discussion of twelve plays. Elective for juniors and seniors.

*Daily, except Saturday, at 11:20.*

MR. MARBLE

S.T.15. A SURVEY OF ENGLISH LITERATURE. A course in English literature from its beginning to the end of the eighteenth century. Elective for upperclassmen and other qualified students. Divisible. *Daily, except Saturday, at 9:00.* MR. MARBLE

S.T.110a. ENGLISH LITERATURE—THE SECOND HALF OF THE NINETEENTH CENTURY. Elective for upperclassmen. *Daily, except Saturday, at 10:10.* MR. HOYT

S.T.122b. MODERN POETRY. A study, in representative English and American contemporary poets, of the new tendencies in verse. Opportunity is afforded for original verse composition. Open only to upperclassmen who are proficient in English. *Daily, except Saturday, at 10:10.* MR. HOYT

S.T.125a. THE SHORT STORY. Representative short stories in English and American literature. *Daily, except Saturday, at 9:00.* MR. DODD

### Dramatics

S.T.126b. MODERN CONTINENTAL DRAMA. Beginning with Ibsen as the founder of modern drama, representative plays of Strindberg, Björnson, Tolstoy, Gorky, Chekhov, Andreyev, Maeterlinck, Rostand, Hauptmann, Sudermann, Schnitzler, Molnar, Benavente, D'Annunzio, Pirandello, and others will be read. Significant movements in the theatre will be related to their chief exponents. *Daily, except Saturday, at 10:10* MR. ILLINGWORTH

S.T.145b. STAGECRAFT. Intended to train students in acting and allied arts of the theatre, this course considers the choosing of plays, the function of stage settings, the procedure in mounting a play, and the evolution of a stage design through sketches and models. Costumes, properties, make-up, rehearsals, directing, and theatre organization and management are also discussed. The student learns all the responsibilities of play production, and as laboratory exercise, members of this class are chosen, as far as possible, for the productions of the summer theatre. *Daily, except Saturday, at 11:20.* MR. ILLINGWORTH

NOTE: The VERSE READING CHOIR is open to all students registered in the Department of English and Dramatics. A choir of 20 voices will be chosen. Regular rehearsals will be held at hours to be arranged. Public performances will be given. Under the direction of Mr. Illingworth.

### DEPARTMENT OF FINE ARTS

FINE ARTS S.T.11a. FRENCH AND ENGLISH PAINTING, 18TH AND 19TH CENTURIES. Field trips, if possible. Fine Arts 10 is a prerequisite for Freshmen, who are admitted only in special cases, at the discretion of the instructor. *Daily, except Saturday, at 10:10.* MR. DODD

## GEOGRAPHY

Students whose assignments involve the preparation of maps or who wish to practice map-making will appreciate the opportunity for special help by the cartographer, Mr. G. H. Burnham, in the geography workroom.

- F** S.T.10. PRINCIPLES OF GEOGRAPHY. First session: An introductory course dealing primarily with the physical phases of geography. Second session: Application of the principles of geography to the study of selected regions throughout the world. Divisible.  
*Daily, except Saturday, at 10:10.*

MR. WARMAN AND ~~MR. VAN VALKENBURG~~

S.T.12b. METEOROLOGY. Introduction to principles of meteorology; practical use of Weather Station, modern weather maps, weather symbols, and code system.

*Daily, except Saturday, at 7:50.* <sup>EKblaw</sup> MR. VAN VALKENBURG

S.T.100. MILITARY GEOGRAPHY. A lecture and laboratory course. Will include interpretation of various types of military maps, nautical charts, and aerial photographs. Basic field manuals of U. S. Army will serve as texts. All students will have opportunity to use stereoscopic instruments in construction of contour maps from aerial photographs. One term course repeated in second session.

*T.Th.S., 1-3*

MR. WARMAN

- F** S.T.191. CARTOGRAPHY. A discussion of various graphic methods and their application to geographic data. Since emphasis will be placed upon the mastery of cartographic tools and instruments, this course should prove particularly helpful to those planning to enter government service or do other illustration work. Divisible.

*M.W.F., 11:20 to 1:20.*

MR. BURNHAM

S.T.205b. WORKSHOP IN HIGH SCHOOL GEOGRAPHY. A widespread movement for the introduction of geography into secondary schools is well under way. Courses of study and programs of work should be arranged to meet the special demands and capacities of teachers or prospective teachers in this field of work. Bring your problems and work with a group who will devote their time cooperatively to this project.

President Wallace W. Atwood will take general charge of the Workshop. All members of the staff in geography will serve as consultants. Miss Kathryn Schnorrenberg, experienced in workshop procedure, will be in residence and have immediate direction of the Workshop.

S.T.215a. GEOGRAPHY OF THE WAR. A geographical study of the various factors which were in part responsible for the outbreak of the war, followed by a detailed geographical interpretation of the events of the war period, 1939-1943.

*Daily, except Saturday, at 7:50.*

MR. VAN VALKENBURG



S.T.281. NORTH AMERICA. First session: Continental. A comparative study of the physical characteristics and cultural development of North America as a continent against its background of world conditions. The land and its characteristics and the people and their activities are considered from the continental point of view, and with emphasis upon their intercontinental relationships. Second session: Regional. A regional survey of North America, its distinctive landscapes and their peoples, resources, and industries as organic parts of the continental complex. A study of intracontinental relationships in terms of regional attributes. Divisible.

*Daily, except Saturday, at 9.* MR. EKBLAW

S.T.31b. REGIONAL PHYSIOGRAPHY. A study of selected areas within the major physiographic regions of the world. Laboratory in map interpretation.

*Daily, except Saturday, at 10:10* PRESIDENT ATWOOD

S.T.37a. HUMAN GEOGRAPHY. Considers influence and effect of location, area, relief, coastline, drainage systems, climate, and other geographic factors, separately and in their mutual interaction upon the economic, social, and political development of peoples. Prerequisites, nine hours of geography or history and permission of the instructor. Seniors of superior standing may be accepted, by special permission.

*Daily, except Saturday, at 11:20.* MR. EKBLAW

S.T.37b. CULTURAL GEOGRAPHY. Summarizes the role that geographic factors have played in evolution of races and cultures, artifacts and institutions. Prerequisites, nine hours of geography or history and permission of the instructor. Seniors of superior standing may be accepted, by special permission.

*Daily, except Saturday, at 11:20.* MR. EKBLAW

S.T.300b. EDUCATIONAL PROBLEMS IN GEOGRAPHY.

*W., 3-5.* PRESIDENT ATWOOD

S.T.301a. SEMINAR IN GEOGRAPHY.

*W., 3-5.* STAFF

W.S.600. WAR ZONES. A geographical study of present and potential war fronts. Divisible.

*Daily, except Saturday, at 1.*

MR. VAN VALKENBURG AND VISITING LECTURERS

W.S.603. CARTOGRAPHY, MAPS, AND AERIAL PHOTOGRAPHS. A laboratory course including: (a) use of modern cartographic methods in the preparation of maps, graphs and charts; (b) interpretation of topographic maps (foreign and domestic), navigation charts and military maps; (c) use and interpretation of aerial photographs. Students will have opportunity to use the air brush, lettering sets, zipitone, and a variety of stereoscopic equipment, including the sketchmaster. Divisible.

*M.W.Th.F., 3-5*

MR. WARMAN AND MR. BURNHAM

W.S.604. RESEARCH IN GEOGRAPHY. For properly qualified students in either session. STAFF

### GEOLOGY

S.T.121b. CRYSTALLOGRAPHY, MINERALOGY, AND BLOWPIPE ANALYSIS. An elementary course on the identification of minerals by their geometrical, physical, and chemical properties. Chiefly laboratory work, 15 hours per week. General chemistry in high school or college is a prerequisite for this course but general geology is not.

*To be arranged.*

MR. LITTLE

### GERMAN

S.T.11. ELEMENTARY GERMAN. Vocabulary drill and pronunciation; grammar, composition, and reading of easy prose. Divisible.

*Daily, except Saturday, at 7:50.* ~~MR. BOSSHARD~~ MR. BRACKETT

S.T.12. SECOND YEAR GERMAN. Reading, thorough review of grammar essentials, exercises in composition. Prerequisite, German 11. Divisible.

*Daily, except Saturday, at 10:10.*

MR. BOSSHARD

S.T.13. THIRD YEAR GERMAN. Extensive reading, chiefly in modern literature. Grammar review, composition. Prerequisite, German 12. Divisible.

*Daily, except Saturday, at 11:20.*

MR. BOSSHARD

### HISTORY AND INTERNATIONAL RELATIONS

S.T.12a. CONTEMPORARY EUROPEAN GOVERNMENTS. This course will describe the political experience of European nations with democracy after the last war, with special emphasis on France and the Weimar Republic. It will also analyze the Fascist States and the Communist experiment in Russia.

*Daily, except Saturday, at 11:20.*

MR. DENNETT

S.T.17. AMERICAN HISTORY SINCE 1783. After a survey of the American Revolution, the course will treat carefully the period since 1783. Divisible.

*Daily, except Saturday, at 10:10.* MR. JORDAN AND MR. ROZWENC

S.T.21b. GREAT BRITAIN IN TWO WARS, 1914-19 AND 1939-43. England's struggle to maintain herself as a world power will be considered from the point of view of pre-war preparations as well as of the conduct of war-time operations.

*Daily, except Saturday, at 9.*

MR. JORDAN

S.T.23b. THE UNITED STATES AT WAR. This will be a study of the effect of the war of 1914-18 on American Government and society. It will include special considerations of the way in which public and private agencies met such problems as preparedness, production, manpower, transportation, food control, relief, and morale. Frequent comparisons will be made with the methods and plans of the present war effort.

*Daily, except Saturday, at 11:20.*

MR. ROZWENC

S.T.232a. HISTORY OF TWO DECADES, EUROPE SINCE 1919. This course, beginning with the history of the peace conference of 1919, will attempt to describe how men of good will endeavored to construct a basis for permanent peace between nations. The mistakes they made, and the political and economic factors which combined to undermine their efforts and bring about a second world war in 1939 will form the substance of the course.

*Daily, except Saturday, at 10:10.*

MR. DENNETT

## PSYCHOLOGY AND EDUCATION

S.T.201b. EDUCATIONAL PSYCHOLOGY FROM THE SOCIAL VIEW-POINT. Psychological principles applied to motivation and learning in social situations. Special attention will be given to problems of school discipline and to the development of leadership and group morale in school.

*Daily, except Saturday, at 9.*

MR. VERNON JONES

S.T.208b. PRINCIPLES AND PROBLEMS OF EDUCATION IN WARTIME. A study of recent trends in education as they impinge upon the work of the classroom teacher. Problems of curriculum and methods will receive attention with encouragement being given to advanced students with special curriculum problems to work on these under the supervision of the instructor.

*Daily, except Saturday, at ~~11:20~~ 7:50.*

MR. VERNON JONES

S.T.231a. PSYCHOLOGY OF THE EMOTIONS WITH SPECIAL REFERENCE TO THE WAR. A study of the various experiments and theories of feelings and emotion. The fundamental relation to their psychological, physiological, and neurological aspects, and methods of investigating them. Special attention is given to the influence of the war on emotional stability and to psychological factors in the control of emotions. Detailed consideration will be given to the problems of war neuroses.

*Daily, except Saturday, at 7:50.*

MR. FISCHER

S.T.241a. PSYCHOLOGY OF ADVERTISING AND SELLING. The psychological principles involved in effective advertising and selling. Special study will be given to attention, memory, action, with the contributing factors of association, feeling, suggestions, and reasoning. Attention will be given to changes and dislocations in markets during and after the war.

*Daily, except Saturday, at 10:10.*

MR. FISCHER

## PHYSICS AND MATHEMATICS

### Physics

S.T.11. GENERAL PHYSICS. Introductory course.

*Daily, except Saturday, at 9; Lab., 6 hours to be arranged.*

MR. ROOPE AND MR. GUNTER



S.T.12a. FUNDAMENTALS OF RADIO. Prerequisites, Math. 10 or 11 and Physics 11.

*Daily, except Saturday, at 11:20.*

MR. ROOPE

S.T.16b. OPTICS. Geometrical and physical. Prerequisites, Math. 12 or Ap. Math. 1 and Phys. 11.

*Daily, except Saturday, at 11:20.*

MR. GUNTER

### Mathematics

F

S.T.10-11. FRESHMAN MATHEMATICS. Open to students who have a working knowledge of the geometry of triangles and circles, and of algebra, including the solution of quadratic equations. The course includes topics from algebra, plane and spherical trigonometry, and elementary analytical geometry. This course will be accepted in place of either Math. 10 or Math. 11 in satisfaction of college requirements. However, students who can postpone freshman mathematics until the opening of the fall semester in September are advised to do so.

*Daily, except Saturday, at 7:50.*

MR. MELVILLE

S.T.10-11a. SECOND HALF OF FRESHMAN MATHEMATICS. This course is offered in the first session of the summer term for the benefit of students who have completed only the first half of Math. 10 or of Math. 11.

*Daily, except Saturday, at 10:10.*

MR. MELVILLE

S.T.15b. ELEMENTARY STATISTICS. Collection and organization of statistical data; graphical methods; averages; interpolation; frequency distribution; measure of dispersion and of correlation; etc. The completion of "Freshman Mathematics" or its equivalent is a prerequisite.

*Daily, except Saturday, at 10:10.*

MR. MELVILLE

NOTE: If there is not sufficient demand to justify the giving of both courses S.T.10-11 and S.T.10-11a, the following course will be offered. This will make it possible for any student who has completed "Freshman Mathematics" to finish a second year's work in college mathematics by August 1943.

S.T.12. ANALYTICAL GEOMETRY AND CALCULUS. Continuation of course 10 or 11. This course supplies the minimum satisfactory mathematical basis for work in the exact sciences. Divisible.

*To be arranged. Daily, except Saturday, 1949* MR. MELVILLE

### ROMANCE LANGUAGES

#### French

Of the courses listed below, French S.T.14, Spanish S.T.11 and Spanish S.T.12 are full courses continuing through the twelve weeks of the summer term. They are accepted in fulfillment of the same requirements met by similarly numbered courses given during the other terms. Properly qualified students may enter any of these



courses at the beginning of the second session of the Summer Term without the least difficulty.

S.T.11b. ~~THE READING APPROACH TO FRENCH.~~ Beginning course, with emphasis on the development of rapid reading ability. Incidental aural work and drill in the elements of grammar and pronunciation. *Daily, except Saturday, at 10:10.* MR. CHURCHMAN

S.T.14. READINGS IN FRENCH LITERATURE. For students who have passed three years of French in high school or two years in college. The aim of this course is twofold: the attainment of facile reading ability and an understanding of French literature and civilization. In view of wartime demands, texts to be read will represent modern and contemporary writers, rather than classical authors, as heretofore. *Daily except Saturday, at 7:50.* MR. DOUGHERTY

### Spanish

S.T.11. INTRODUCTORY. For beginners and those who have studied Spanish for less than one year. Elementary grammar and simple exercises in pronunciation. Greatest stress will be given to the development of reading ability and to a consideration of the cultural and artistic achievements of Spain and Spanish America. *Daily, except Saturday, at 9.* MR. DOUGHERTY

S.T.11b. ~~THE READING APPROACH TO SPANISH.~~ Beginning course, with emphasis on the development of rapid reading ability. Incidental aural work and drill in the elements of grammar and pronunciation. *Daily, except Saturday, at 11:20.* MR. CHURCHMAN

S.T.12. INTERMEDIATE. For students who have passed two years of Spanish in high school or one year in college. Rapid review of grammar, exercise, and drill in pronunciation. Chief emphasis will be placed on extensive reading of selected modern texts in the fields of Spanish and Spanish-American civilization and literature. *Daily, except Saturday, at 10:10.* MR. DOUGHERTY

11:20

CHURCHMAN

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*The University does not require an instructor to conduct a course for fewer than five students in any session.*









# CLARK UNIVERSITY

## HONOR ROLL

### OUR GOLD STAR MEN

#### Lieutenant William Sewell Balfe

Reported killed in action in India on November 25, 1943. Lieutenant Balfe was a bombardier-pilot on a B-24 Liberator bomber. He had been in service eighteen months and had been overseas since September.

Lieutenant Balfe graduated from the High School of Commerce, Worcester, and attended Clark University during parts of 1936-37 and 1939-40.

#### Ensign John Joseph Clair, Jr.

Injured in an airplane accident May 4, 1943 near Rodeo, California, and died soon after at the U. S. Naval Hospital at Mare Island.

Ensign Clair entered the Navy in 1942 and completed his primary flight training at Squantum. He was not piloting the plane at the time of the accident.

Ensign Clair graduated from High School of Commerce, Worcester, and received the Bachelor of Arts degree from Clark University in June, 1941. He was one of the outstanding men of his class. Besides maintaining an excellent scholastic record, he played varsity basketball and baseball and was a member of Gryphon.

#### Lieutenant Joseph Albert Styles

Killed in an airplane accident June 22, 1943. Lieutenant Styles was a squadron commander at the U. S. Naval Air Station, Alameda, California. He had been in the Navy since 1937 and was commissioned in February, 1939. He received his training at Squantum and at Pensacola, Florida.

Lieutenant Styles graduated from North High School, Worcester, and received the Bachelor of Arts degree from the University of Kentucky in June 1934. During his college days he was active in fencing, football, and track. After leaving the University of Kentucky he did graduate work at Clark University for one year, holding a scholarship in Biology.

### Clark Men and Women in the War Services

(The names of those in the armed forces are starred)

Robert A. Abodeely A.B. '35*	Christopher Babigian Ex. '46*	Jacob Berman A.B. '24*
Lambi N. Adams A.B. '33*	Arthur R. Backstrom A.B. '34*	Seymour Berman Ex. '44*
Williard G. Adams A.B. '36*	Ben Haig Bagdikian A.B. '41*	Jack Bernard A.M. '41*
Burton W. Adkinson Ph.D. '42	Eugene J. Balcanoff A.B. '40*	Norman L. Bernard B.Ed. '43*
Harry Aizenstat A.M. '37	Raymond D. Balcom A.B. '40*	Edward C. Bernier Ex. '42*
Myron M. Albert A.B. '42*	Joseph V. Baldwin A.B. '36*	Emil L. Bernier Ex. '45*
Richard D. Aljian A.B. '42*	William S. Balfe Ex. '40*	Benjamin Bernstein A.B. '40*
Donald Allain A.B. '43*	Henry D. Barbadoro Ex. '42*	Howard J. Besnia Ex. '45*
Nello A. Allegranza Ex. '46*	Gene J. Barberet A.B. '41*	Delphis J. Bibeau A.B. '36*
Walter S. Allan, Jr. A.B. '35*	Arthur J. Barkhouse A.B. '34*	Francis J. Biggi Ex. '46*
John W. Allen Ex. '45*	John E. Barriere A.B. '42*	Howard O. Bingley A.M. '39*
Walter I. Allen Ex. '41*	Peter Barsoum Jr. Ex. '47*	Archille H. Biron A.B. '32*
Leo Alpert A.M. '39*	Myron A. Baskin A.M. '42*	Ivan J. Birrer A.M. '40*
Reginald Amback, Jr. Ex. '44*	Linton J. Bassett A.B. '41*	Wallace F. Bither A.B. '33*
Robert E. Ames Ex. '41*	Saul Bassinov A.B. '34*	Evelyn J. Bjorkman Ex. '35*
Chester C. Amsden Ex. '39*	Walter J. Bastul Ex. '46*	Lloyd D. Black A.M. '36*
Alton R. Anderson A.B. '31*	Warren B. Bates Ex. '40*	Cyril C. Blaney A.B. '36*
Lloyd Anderson A.B. '43*	Kenneth A. Battersby A.B. '32; A.M. '41*	Robert W. Blom Ex. '46*
Robert I. Anderson Ex. '45*	George J. Baxter Ex. '45*	Gerald Blum A.M. '42*
Roy S. Anderson A.B. '43*	John F. Baxter A.M. '28*	Roscoe C. Blunt, Jr. Ex. '46*
Hugo D. Angelini A.B. '42*	Alden G. Beaman Ex. '46*	Oliver W. Boch Ex. '46*
Robert G. Appenzeller A.B. '43*	René P. Beaudry Ex. '46*	Victor H. Boisseau Ex. '46*
William C. Arbo Ex. '30*	Robert N. Beck Ex. '45*	Alfred G. Bolduc Ex. '43*
Lemonis J. Argyropais A.M. '42*	Edward G. Becker A.B. '40*	Robert A. Bolduc A.B. '35*
Hudson T. Armerding A.M. '42*	Herbert R. Becker Ex. '44*	George E. Booth A.M. '39*
Frank Guy Armitage A.M. '23; Ph.D. '27	Azariah Bedrosian Ex. '45*	Remi J. Bourdages Ex. '47*
S. Leonard Arnold A.B. '38; A.M. '39*	George Beishlag A.M. '37	James A. Brammell A.M. '42
Philip E. Arseneault A.B. '35*; A.M. in	Raymond E. Bellis Ex. '40*	Frederick M. Brander A.B. '38*
Ed. '37	Earl M. Belles Ex. '46*	Regis E. Breault Ex. '46*
Charles Atamian Ex. '46*	Carl G. Berg A.B. '36; A.M. '42*	Albert L. Bridce A.B. '41*
Rollin S. Atwood A.M. '25; Ph.D. '28	Harold J. Bergstrom Ex. '44*	Morris I. Bresev A.B. '27*
Wallace W. Atwood, Jr. A.M. '27; Ph.D. '30*	Sumner A. Berlin A.B. '40*	Frank V. Brewster A.B. '19*
John P. Augelli A.B. '43*	Sumner Berlyn Ex. '45*	Ralph C. Briery A.B. '18*
	Ira B. Berman A.M. '39*	William B. Brierly Ph.D. '42*

Charles D. Briggs, Jr. A.B. '38\*  
Kenneth H. Brigham Ex. '43\*  
Paul L. Brigham Ex. '46\*  
Armand J. Brissette, Jr. A.B. '30; A.M. '32\*  
Kenneth A. Brooks, Jr. Ex. '45\*  
Roger H. Brooks Ex. '46\*  
Harold B. Brothers Ex. '37\*  
William R. Brotherton A.B. '43\*  
Irving W. Brulé A.B. '38\*  
Robert W. Bullock A.B. '41\*  
Joseph Burack Ex. '46\*  
John P. Burbank A.B. '42\*  
Philip B. Burgess Ex. '43\*  
Catherine A. Burnham A.M. in Ed. '43\*  
Ronald P. Burrage Ex. '46\*  
Arthur L. Burr A.B. '38; A.M. '39\*  
William F. Butler, Jr. A.B. '36\*  
Robert D. Campbell Ex. '42\*  
Jerome Caplovich Ex. '39\*  
Robert J. Carini A.B. '40\*  
J. Norman Carls A.M. '34; Ph.D. '35  
Ralph L. Carlson A.B. '38; A.M. in Ed. '40\*  
Nicholas Carofaniello Ex. '43\*  
William C. Carruth Ex. '45\*  
John B. Carruthers A.B. '38\*  
Basilio Castaldi A.M. '36\*  
Carl L. Catani A.B. '41\*  
Stanley M. Chaberek Ex. '45\*  
Charles A. Chabot, Jr. A.B. '41\*  
Thomas W. Chamberlin A.M. '38\*  
Arnold E. Chandler Ex. '46\*  
Irving Chase A.B. '41\*  
Lester J. Chase Ex. '31\* (1)  
Ashur G. Chavoor Ex. '45\*  
Joseph S. Cheka A.B. '33\*  
Elwyn V. Chesley Ex. '44\*  
H. Lloyd Church, Jr. A.B. '41\*  
Phil E. Church Ph.D. '37\*  
Frederick J. Churchill A.B. '39\*  
Libro Ciani Ex. '46\*  
Saverino Ciani Ex. '46\*  
George Ciano Ex. '46\*  
Robert R. Ciolek A.M. '38\*  
John J. Clair, Jr. A.B. '41\*  
Marvin B. Clapkin Ex. '46\*  
Robert S. Clee Ex. '45\*  
Roger W. Cleveland A.B. '41\*  
Timothy F. Clifford A.M. in Ed. '37\*  
Earle R. Closson A.B. '20\*  
Harry H. Cohen A.B. '41\*  
Leonard Cohen A.B. '43\*  
Oscar P. Cohen A.M. '39; Ph.D. '41\*  
Stuart M. Cohen Ex. '46\*  
Paul V. Colberg Ex. '44\*  
Carroll D. Colby A.B. '39\*  
Fred J. Collins A.M. '34\*  
Ellsworth B. Cook Ex. '41\*  
James A. Cooke A.B. '26\*  
Custat Coontz A.B. '41\*  
Bernard S. Cotton Ex. '44\*  
Joseph E. Cove A.B. '28; A.M. '29\*  
Catherine E. Cox A.M. '42\*  
Herbert W. Cramer Ex. '46\*  
George B. Cressey Ph.D. '31\*  
Alfred F. Crommett Ex. '43\*  
Robert H. Cron Ex. '45\*  
S. Leigh Curry, Jr. Ex. '46\*  
Robert L. Curtis Ex. '43\* (2)  
Norman G. Cutler A.B. '35\*  
Arthur Dagirmanjian Ex. '46\*  
Eugene P. Dalrymple Ex. '45\*  
Paul C. Dalrymple Ex. '44\*  
Robert S. Darling Ex. '44\*  
Samuel C. Dashiell A.M. '42\*  
John L. Day Ex. '46\*  
George F. Deasy Ex. '42\*  
William T. Deeks A.B. '29\*  
Francis J. Deignan Ex. '44\*  
Richard Deitzler A.M. '42\*  
Coen Kiewit De Jonge Ex. '43\*  
Emidio A. De Lollis A.B. '41\*  
Gilbert V. De Mar A.M. '42\*  
Joseph De Marco, Jr. A.B. '31\*  
Pat Denardo A.B. '43\*  
Hagop M. Deranian Ex. '45\*  
Joseph F. Diliberto A.B. '39\*  
Ralph Ditchik A.B. '44\*  
Lawrence E. Dolan A.B. '40\*  
Michael A. Donahue A.B. '30\*  
Philip S. Donnell A.B. '10\*  
Edward G. Donovan Ex. '44\*  
Clifford H. Doolittle A.B. '41\*  
Herman W. Dorn A.B. '35; A.M. '36; Ph.D. '38  
Earl S. Dossey, Jr. Ex. '43\*  
Joseph D. Downey A.B. '34\*  
Henry M. Doyle Ex. '45\*  
Benjamin C. Dubois A.M. '11  
Roger J. Dufresne A.B. '44\*  
Merrill G. Dupuis Ex. '45\*  
Gareth W. Dunleavy Ex. '45\*  
Albert W. Dziawiecki Ex. '41\*  
Edmond B. Dziukiewicz Ex. '46\*  
J. Roland Easton Ex. '45\*  
John Eaves, Jr. Ex. '45\*  
Harold Eckman Ex. '46\*  
Richard A. Edson A.B. '42\*  
Robert I. Edwards A.B. '40; A.M. in Ed. '42\*  
Ernest E. Eels A.B. '14\*  
Carl L. Eidam A.B. '31\*  
Stephen Elias A.B. '37\*  
James N. Eliopoulos Ex. '46\*  
George F. Elliot A.M. '42\*  
Richard B. Ellis Ex. '43\*  
Philip E. Emerson A.M. '43\*  
Van H. English Ph.D. '42\*  
Hyman Epstein A.B. '44\*  
Franklin C. Erickson A.B. '28; A.M. '30; Ph.D. '35  
Alfred S. Erlich Ex. '46\*  
Michael A. Errede Ex. '45\*  
John C. Erskine A.M. '40  
Robert B. Factor Ex. '45\*  
Johnson E. Fairchild A.M. '36\*  
Alonzo B. Fairman A.B. '36\*  
Albert H. Farnsworth A.M. '40\*  
Reginald G. Farrar Ex. '43\*  
Alfred L. Farrell A.B. '28\*  
Ashjorn Faeste A.M. '37\*  
Albert J. Fecteau, Jr. Ex. '43\*  
Elihu H. Fein Ex. '45\*  
S. Norman Feingold A.M. '40\*  
Max Feldman A.B. '41\*  
Charles W. Felt A.B. '28\*  
Oris C. Ferguson A.B. '33 (3)  
Sidney S. Feuerstein A.B. '42\*  
Russell H. Fifield A.M. '40; Ph.D. '42\*  
Eugene R. Fisher Ex. '46\*  
Hildreth H. Fisher A.B. '44\*  
Philip A. Fistori Ex. '46\*  
Lawrence P. Fitton Ex. '40\*  
William C. Fletcher A.B. '36\*  
John B. Foley A.B. '40\*  
Maxwell J. Ford Ex. '42\* (4)  
Edward L. Forrest A.B. '34\*  
Paul Fram A.B. '40; A.M. '42\*  
Gladys Franklin A.M. '33\*  
Roy Fraser, Jr. Ex. '45\*  
C. Malcolm French A.B. '33\*  
Wellington A. French A.B. '33\*  
Harvey L. Friedman Ex. '43\*  
Henry Frieswyk A.B. '42\*  
Carl F. Frost Ex. '42\*  
George H. Fryburg Ex. '44\*  
Herman Gadon Ex. '44\*  
Paul J. Gardner Ex. '44\*  
John H. Gaucher A.B. '44\*  
Gordon N. Geer A.B. '27\*  
Frank A. Geldard A.B. '25; A.M. '26; Ph.D. '28\*  
Roland E. Gervais A.B. '29\*  
J. Sullivan Gibson Ph.D. '34  
Stuart C. Gibson Ex. '46\*  
Roger G. Gifford A.B. '36\*  
A. Norman Gilbertson Ex. '36\*  
Newell E. Gillett Ex. '42\*  
Edward P. Ginsburg A.B. '42\*  
Matthew R. Giuffrida Ex. '37\*  
Paul M. Glaude A.B. '35\*  
Hartley C. Gleason Ex. '38\*  
Alvin H. Goff Ex. '46\*  
Edwin L. Goldberg A.B. '37\*  
Sherman E. Golden A.B. '23\*  
Nathan Goldman A.B. '29; A.M. '30\*  
Ephraim Goldrosen Ex. '37\*  
Bernard J. Goodstein Ex. '43\*  
Ralph R. Goodwin A.B. '39; A.M. '40\*  
Charles Grace Ex. '29\*  
Sydney Grace A.B. '29; A.M. '30\*  
Arthur Graham A.B. '36\*  
Clarence H. Graham A.B. '27; A.M. '28; Ph.D. '30  
Guilbert R. Graham A.M. '41  
William D. Gray A.B. '38\*  
Frances Green A.M. '35\*  
Robert A. Greenblatt A.B. '42\*  
Saul M. Greenstein Ex. '46\*  
Paul M. Gregory A.B. '39; Ph.D. '42  
David A. Grodzki Ex. '46\*  
Emil H. Grodzberg A.M. '33  
Herbert A. Gross Ex. '43\*  
Milton L. Grout A.B. '35\*  
Vernon M. Grout A.B. '38\*  
Marvin J. Gruss Ex. '44\*  
Anthony J. Gryk A.B. '38\*  
Benjamin J. Gudzinowicz Ex. '44\*  
Jackson E. Guernsey Ph.D. '41\*  
John E. Hammarstrom Ex. '43\*  
Chester Handleman A.B. '41\*  
Archibald Hanna, Jr. A.B. '39\*  
Robert E. Hansen A.B. '39; A.M. '38\*  
Raymond Hartinga A.B. '39\*  
John H. Hartnett A.B. '40\*  
Paul V. Harwood Ex. '45\*  
Charles B. Hausdorf Ex. '39\*  
Frank H. Healey, Jr. Ex. '46\*  
Lawrence P. Healey A.B. '36\*  
Edward M. Healy A.B. '41\*  
George B. Hearn A.B. '40\*  
John K. Hemphill Ex. '42\*  
Robert N. Hennessy A.B. '40\*  
William A. Henning, Jr. Ex. '39\*  
William C. Herrmann A.B. '39; A.M. in Ed. '40\*  
Francis R. Hickey A.M. in Ed. '42\*  
Ralph W. Hidy A.M. '28\*  
Arthur R. Higginbottom A.B. '32; A.M. in Ed. '41\*  
Charles A. Higgins A.B. '39\*  
Donald E. Higgins A.B. '23\*  
Raymond B. Hill A.B. '42\*  
William A. Hill Ex. '42\*  
C. Leonard Hoag Ph.D. '38  
Walter A. Hoar A.B. '35\*  
James L. Hoffman Ex. '42\*  
Ernest W. Hollows A.B. '43\*  
Richard M. Holmes A.B. '43\*  
Andrew G. Holstrom A.B. '37\*  
Harry Hoogasian Ex. '45\*  
Harry B. Hoppin, Jr. Ex. '41\*  
David H. Horne A.B. '42\*  
George E. Howarth A.B. '33\*  
George F. Howe A.B. '22; A.M. '24\*  
Forrest W. Hubbard A.B. '41\*  
K. Lee Hulbert A.B. '36\*  
H. Waite Hurlburt Ex. '35\*  
Louis S. Hurwitz A.B. '40; A.M. '41\*  
LeRoy C. Husbands A.M. '23\*  
Reginald G. Illingworth B.Ed. '37\*  
Walter G. Inman A.M. '34; Ph.D. '39\*  
Solomon Israel Ex. '42\*  
Earl G. Jackson A.M. '43\*  
Richard E. Jackson Ex. '45\*  
Ishiah Jacobson Ex. '43\*  
Preston E. James Ph.D. '23\*  
Oscar M. Jankelson Ex. '44\*  
David S. Jarvis Ex. '46\*  
Austin S. Johnson A.B. '36\*  
Charles F. Johnson A.B. '34; A.M. '35  
Donald E. Johnson A.M. '41\*  
Edwin N. Johnson A.B. '30\*  
H. Earle Johnson Ex. '26\*  
Robert E. Johnson A.B. '28\*  
Donald G. Jones A.B. '42\*  
Lloyd C. Jones A.B. '43\*  
Malcolm K. Jones A.B. '39\*  
Robert L. Jordan Ex. '42\*  
Harold T. Jorgenson A.M. '42  
Charles B. Kabaker A.B. '33\*  
Raymond D. Kallstrom A.M. '42\*  
Lawrence T. Kane A.B. '43\*  
Kenneth A. Kaneb A.B. '34\*  
Henry V. Karolkewicz Ex. '44\*  
Vincent W. Kaselis A.B. '43\*  
Donald A. Kayer A.B. '34\*  
John R. Keith A.B. '36\*  
John S. Kellsrand Ex. '46\*  
Edward H. Kemp Ph.D. '34\*  
Harold J. Kenneway, Jr. A.B. '39\*  
Paul H. Kenney Ex. '44\*  
George A. Kentros Ex. '44\*  
Bennet C. Kessler A.B. '40\*  
Edward T. Killeas A.B. '41\*  
Richard H. Kilpatrick, Jr. Ex. '45\*  
Wallace D. Kilpatrick A.B. '42\*  
Roland C. Kimball A.B. '39\*  
Charles V. King A.B. '23\*  
Thomas Kinsella A.M. '31; Ph.D. '38  
Francis A. Kirby Ex. '43\*  
Robert F. Kirkpatrick A.B. '43\*  
Charles Klamkin Ex. '45\*  
Herman Kleine A.M. '42\*  
John W. Kneller A.B. '38\*  
Albert E. Knight A.B. '38\*  
Philip W. Knight Ex. '44\*  
Clarence E. Koeppe A.M. '27; Ph.D. '29\*  
John T. Kohne A.M. '38\*  
Arthur J. Koskimas Ex. '44\*  
Louis H. Kostanick A.M. '42  
David Kramer Ex. '44\*  
Wallace S. Kreisman Ex. '44\*  
Henry M. Kroll A.B. '38\*  
Edmund N. Kudarauskas A.B. '41\*  
Carl A. Kuniholm Ex. '46\*  
Charilaos G. Lagoudakis A.M. '26  
Oliver H. Laine Ex. '40\*  
Philip R. Landry A.B. and A.M. '22\*  
Raymond E. Landry Ex. '38\*  
Walter E. Lang, Jr. A.B. '40\*  
William J. Langenheim A.B. '39\*  
Bernard J. LaPlante Ex. '44\*  
Robert L. LaRiviere A.B. '43\*  
Charles A. Larkin A.B. '30\*  
Knut G. Larson A.B. '40\*  
George R. Latham Ex. '46\*  
Frances M. Lathrope A.M. '40\*  
Martin Lax A.B. '36\*  
Edward E. LeClair, Jr. Ex. '45\*  
James S. Lee Ex. '42  
Iwoud S. Leffell A.M. '39\*  
Herbert T. Leighton A.B. '34\*  
Louis E. Leipold Ex. '41\*  
Anthony D. Leone Ex. '47\*  
Charles E. Lent A.B. '43\*  
Albert K. Lennan A.B. '43\*  
David R. Lennan Ex. '45\*  
Frank M. Lenti Ex. '45\*  
Donald H. Letendre A.B. '38; A.M. in Ed. '39\*  
Samuel Levenson A.B. '30; A.M. '36\*  
Bertrand E. Leveque Ex. '29\*  
Robert M. Lewis Ex. '45\*  
William L. Lewis A.B. '37\*  
Frederick B. Lidstone A.B. '43\*  
Reginald D. Lidstone A.B. '38\*  
Stuart Lippincott A.B. '29  
Joseph S. Lisabitsky A.B. '38\*  
James C. Little A.B. '27\*  
W. Charles Loddig A.B. '37\*  
John R. Longo A.B. '39\*  
Vincent J. Longo A.B. '43\*  
Russell C. Longton Ex. '46\*  
Manuel H. Lopez A.B. '41\*  
Ferdinand J. Loungway A.B. '26\*  
Joseph C. Lucas Ex. '42\*  
Carl Luebke, Jr. Ex. '45\*  
Herbert Luebke A.B. '43\*  
David R. Lund Ex. '42\*  
Harold E. Lurier Ex. '46\*  
Donald A. Macchi Ex. '45\*  
Donald Macdonald Ex. '45\*  
Mary L. Macdonald A.M. '41\*  
J. Ross Mackay A.B. '39\*  
Jesse M. MacKnight A.M. '32  
Milton E. Mador A.B. '38; A.M. '39\*  
John W. Maher A.B. '36\*  
Paul D. Malboeuf Ex. '32\*  
Henry A. Malkasian A.B. '39\*  
Adolph W. Malkoski A.B. '39\*  
Carl Y. Malmquist, Jr. Ex. '44\*  
Chester W. Malmstead A.B. '32\*  
Alfred Mandell Ex. '32\*  
Raymond J. Manerel B.Ed. '41\*  
Walter Mann Ex. '44\*  
Theodore A. Marburg A.M. '37; Ph.D. '42  
Douglas W. Marden A.B. '39\*  
Benjamin Margolis A.B. '42\*  
Donald W. Marsh Ex. '45\*  
Robert T. Marsh A.B. '42\*  
Richard B. Martin A.B. '39; A.M. '40\*  
Stuart H. Martin Ex. '45\*  
William B. Martin Ex. '45\*  
Stanley R. Maslowski A.B. '42\*  
Mary C. Masoomian A.M. '40\*  
Gerald J. Matchett A.M. '35; Ph.D. '39  
F. Graham Matheson Ex. '42\*  
Otto R. Mauke Ex. '45\*  
William G. Maykel Ex. '42\*  
Andrew F. X. McCarthy A.B. '38\*  
Donald K. McClusky Ex. '26\*  
Robert F. McComas A.B. '39\*  
Jacob W. McCrillis A.B. '16\*  
Shannon B. McCune Ph.D. '39  
Hugh M. McGovern A.B. '43\*  
John A. McGuire A.M. '37  
Francis D. McHugh A.M. in Ed. '42\*  
James A. McInerney A.B. '39; A.M. in Ed. '40\*  
H. Donald McInnis A.B. '38\*  
Melvin McIntosh, Jr. Ex. '44\*  
Charles W. McNamara Ex. '44\*  
George R. Means A.M. '32\*  
Harry J. Meleski A.B. '19\*  
Robert S. Melville A.B. '37\*  
William M. Mewcow Ex. '46\*  
Frederick S. Merriam A.B. '39  
George H. Merriam Ex. '44\*  
Earle A. Merritt Ex. '45\*  
Jacob Merzigan Ex. '43\*  
Leo J. Meyer Ph.D. '28\*  
Malcolm C. Midgley, Jr. Ex. '46\*  
F. Stanley Mikel Ex. '35\*  
Edward K. Mikoloski A.B. '41\*  
John E. Millea A.B. '10\*  
Donald M. Miller A.B. '42\*  
John T. Miller Jr. Ex. '44\*  
Robert S. Milne A.B. '40\*  
Douglas F. Miner A.B. '12\*  
James A. Minogue A.M. '36\*  
Bernard N. Mintz A.B. '42\*  
Wensel W. Moberg A.B. '39; A.M. '42  
Dominic J. Monfredo Ex. '42\*  
Norman B. Moore A.B. '35\*  
Herbert W. Morey Ex. '41\*  
Charles S. Morgan A.B. '43\*  
John F. Moriarty A.B. '40\*  
Philip E. Morin A.B. '42\*  
Charles A. Morris A.B. '42\*  
Joshua Morrison A.B. '21\*  
John R. Mrosek Ex. '45\*  
J. Ernest Nadler A.B. '23\*  
Matthew Nadler Ex. '29\*  
William J. Nally A.B. '38\*  
Jacob Nanigan Ex. '45\*  
Norman J. Nathanson A.B. '38\*  
Michael T. Neary A.M. '33  
Donald R. Nelson Ex. '45\*  
Hersey B. Nelson Ex. '46\*  
James S. Nelson A.B. '34\*  
Kenneth O. Nelson Ex. '46\*  
Paul J. Nelson Ex. '42\*  
Robert A. Nelson A.B. '41\*  
Rodney E. Nelson A.B. '38\*  
Theodore Nicol A.B. '26\*  
William A. Niman A.B. '29\*  
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# Clark University Bulletin

NUMBER 168

MARCH, 1944

CATALOGUE NUMBER



WORCESTER, MASSACHUSETTS





*Received from  
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June 3, 1944*

# Clark University Bulletin

## CATALOGUE NUMBER

The Catalogue is a record for the current academic year, 1943-44. Such announcements for the year 1944-45 as can be made at the time of publication are included.



Beginning September, 1943, the traditional two-semester academic year was superseded, as a war-time measure, by an academic year of three twelve-week terms. The twelve-week summer term first introduced in 1942, will be retained. Announcements throughout the catalogue have been altered, so far as possible, to correspond to this change. The "academic year" for graduate students began with the fall term in September, and ends with the spring term, in June.

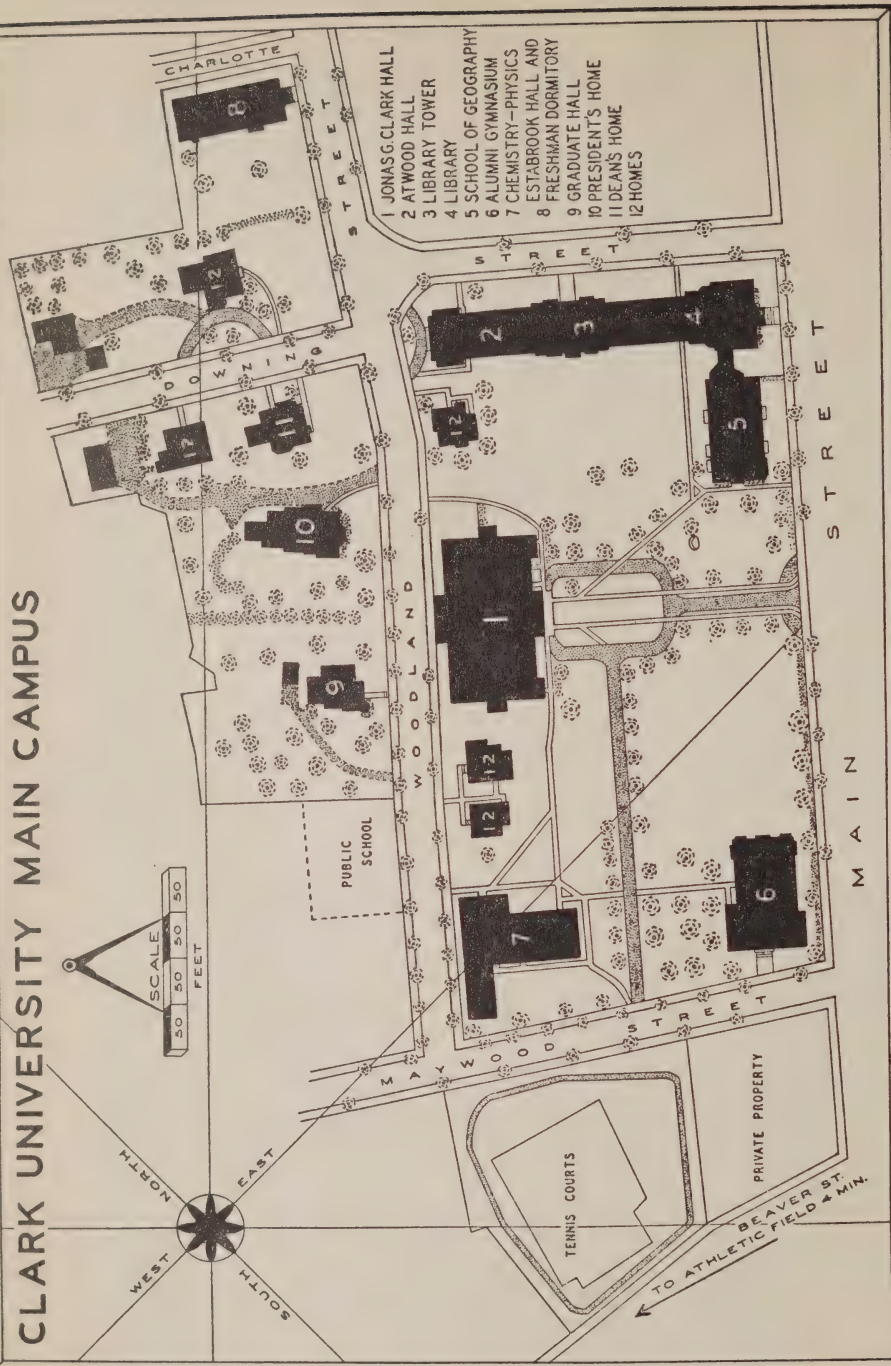
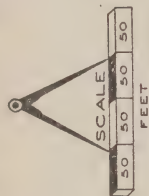
In 1944-45 there will be a return to the two-semester academic year.

The Bulletin is published in January, March,  
September, October, and December

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# CLARK UNIVERSITY MAIN CAMPUS



The university campus is on South Main Street about a mile and a quarter from the City Hall. Here and on adjacent areas,

The university athletic field is at the corner of Park Avenue and Beaver Street, and the Hadwen Arboretum is at the corner

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# Calendar

The academic year begins on the Monday before the fourth Thursday in September, and ends on Commencement Day, the thirty-eighth Monday (the first or second Monday in June).

The first semester ends on the Saturday before the twentieth Monday and the second semester begins on the twentieth Monday of the academic year.

Note: During the current national emergency the Calendar has been modified as indicated below. Other changes may be made. Such changes will be announced in special bulletins and through the local newspapers.

## 1943

Sept. 13	Monday	Beginning of academic year. Registration day.
Oct. 12	Tuesday	Columbus Day. Not a holiday.
Oct. 23	Saturday	Mid-term reports.
Nov. 11	Thursday	Armistice Day. Not a holiday.
Nov. 25	Thursday	Thanksgiving Day. A holiday.
Nov. 29	Monday	Beginning of fall term examination period.
Dec. 4	Saturday	End of fall term.
Dec. 13	Monday	Beginning of winter term. Conferring of degrees.
Dec. 23	Thursday	Beginning of Christmas recess at 6 P.M.
Dec. 27	Monday	End of Christmas recess at 8 A.M.

## 1944

Jan. 1	Saturday	New Year's Day. A holiday.
Jan. 22	Saturday	Mid-term reports.
Feb. 22	Tuesday	Washington's Birthday. Not a holiday.
Feb. 28	Monday	Beginning of winter term examination period.
Mar. 4	Saturday	End of winter term.
Mar. 13	Monday	Beginning of spring term.
Apr. 19	Wednesday	Patriot's Day. Not a holiday.
Apr. 22	Saturday	Mid-term reports.
May 29	Monday	Beginning of spring term examination period.
May 30	Tuesday	Memorial Day. Not a holiday.
June 2	Friday	Commencement Day.
June 3	Saturday	End of spring term.
June 12	Monday	Beginning of first session of summer term. Registration day.
July 4	Tuesday	Fourth of July. A holiday.
July 21	Friday	End of first session of summer term.
July 24	Monday	Beginning of second session of summer term. Registration day.
Sept. 1	Friday	End of summer term. Conferring of degrees.
Sept. 18	Monday	Beginning of academic year. Registration day.
Oct. 12	Thursday	Columbus Day. A holiday.
Nov. 11	Saturday	Armistice Day. Not a holiday.
		Mid-semester reports.
Nov. 29	Wednesday	Beginning of Thanksgiving recess at 5 P.M.
Dec. 4	Monday	End of Thanksgiving recess at 8 A.M.
Dec. 20	Wednesday	Beginning of Christmas recess at 5 P.M.

## 1945

Jan. 2	Tuesday	End of Christmas recess at 8 A.M.
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Jan. 15	Monday	Beginning of semester examination period.
Jan. 27	Saturday	End of first semester.
Jan. 29	Monday	Beginning of second semester.
Feb. 22	Thursday	Washington's Birthday. A holiday.
Mar. 24	Saturday	Mid-semester reports.
Mar. 31	Saturday	Beginning of spring recess at 1 P.M.
Apr. 9	Monday	End of spring recess at 8 A.M.
Apr. 19	Thursday	Patriot's Day. Not a holiday.
May 21	Monday	Beginning of semester examination period.
May 30	Wednesday	Memorial Day. A holiday.
June 2	Saturday	End of academic year.
June 3	Sunday	Commencement Day.
June 11	Monday	Beginning of first session of summer term.
July 4	Wednesday	Fourth of July. A holiday.
July 20	Friday	End of first session of summer term.
July 23	Monday	Beginning of second session of summer term.
		Registration day.
Aug. 31	Friday	End of Summer term.

## BOARD OF TRUSTEES

Final authority in all matters pertaining to the University is lodged in the Board of Trustees by charter granted by the General Court of the Commonwealth of Massachusetts.

GEORGE H. MIRICK (1920), Vice President	Worcester, Mass.
ALEXANDER H. BULLOCK (1926), President	Worcester, Mass.
LEON E. FELTON (1930), Secretary	Worcester, Mass.
FRANCIS H. DEWEY, JR. (1934)	Worcester, Mass.
ROBERT H. LOOMIS (1936)	Boston, Mass.
FRANK L. ADAMS (1938)	Worcester, Mass.
HOWARD M. BOOTH (1939)	Worcester, Mass.
SAMUEL H. DOLBEAR (1940)	New York, N. Y.
CARL E. WAHLSTROM (1942)	Worcester, Mass.

## ELECTED TO REPRESENT THE ALUMNI

FORREST E. ALEXANDER (1943) for one year  
HAROLD L. FENNER (1943) for two years  
HENRY L. SIGNOR (1943) for three years  
RAYMOND T. GIFFORD (1943) for four years, Treasurer

## ADMINISTRATIVE OFFICERS

President of the University	WALLACE WALTER ATWOOD
Acting Librarian	EDITH M. BAKER
Dean of the College	HOMER P. LITTLE
Recorder	LYDIA P. COLBY
Bursar	FLORENCE CHANDLER

## University Staff

It is expected that the following members of the University Staff will be in attendance during the year 1944-45.

(Listed in order of academic seniority within each rank)

WALLACE WALTER ATWOOD, PH.D., Sc.D. 160 Woodland St.  
President, Professor of Physical and Regional Geography, and Director of the Graduate School of Geography, since 1920.  
B.S., University of Chicago, 1897; Ph.D., 1930; Sc.D., Worcester Polytechnic Institute, 1944.

HOMER PAYSON LITTLE, PH.D. 156 Woodland St.  
Dean of the College and Professor of Geology since 1922.  
A.B., Williams College, 1906; Ph.D., Johns Hopkins University, 1910.

BENJAMIN SHORES MERIGOLD, PH.D., Sc.D. 17 Charlotte St.  
Professor of Chemistry and Director of the Chemical Laboratories.  
A.B., Harvard University, 1896; A.M., 1897; Ph.D., 1901; Sc.D., Clark University, 1941. Assistant Professor, 1903-08; Professor since 1908.

HAVEN DARLING BRACKETT, PH.D. 114 Woodland St.  
Professor of Greek and Latin.  
A.B., Amherst College, 1898; Ph.D., Harvard University, 1904. Instructor, 1904-06. Assistant Professor, 1906-12; Professor since 1912.

LORING HOLMES DODD, PH.D. 88 Sagamore Rd.  
Professor of Rhetoric. Curator of Art.  
A.B., Dartmouth College, 1900; A.M., Columbia University, 1901; Ph.D., Yale University, 1907. Instructor, 1910-13; Assistant Professor, 1913-16; Associate Professor, 1916-20; Professor since 1920.

SAMUEL J. BRANDENBURG, PH.D. 173 Woodland St.  
Professor of Economics and Sociology since 1923.  
A.B., Miami University, 1904; Ph.M., University of Chicago, 1909; Ph.D., University of Wisconsin, 1922.

WALTER ELMER EKBLAW, PH.D. 11 Wheeler Rd., N. Grafton, Mass.  
Professor of Geography.  
A.B., University of Illinois, 1910; A.M., 1912; Ph.D., Clark University, 1926. Associate Professor, 1926-28; Professor since 1928.

SAMUEL VAN VALKENBURG, PH.D. 11 South Flagg St.  
Professor of Geography.  
Ph.D., University of Zürich, 1918. Special Lecturer in Geography, second semester, 1926-27; Assistant Professor, 1927-29; Associate Professor, 1932-37; Professor since 1937 (February).



- JESSE LUNT BULLOCK, PH.D. 35 Downing St.  
Professor of Chemistry.  
A.B., Harvard University, 1914; A.M., 1928; Ph.D., 1932. Assistant Professor, 1926-32; Associate Professor 1932-37; Professor since 1937 (February).
- VERNON JONES, PH.D. 267 Salisbury St.  
Professor of Educational Psychology.  
A.B., and A.M., University of Virginia, 1920; A.M., Columbia University, 1924; Ph.D., 1926. Associate Professor, 1926-38; Professor since 1938 (February).
- DWIGHT ERWIN LEE, PH.D. 3 Woodman Road  
Professor of Modern European History.  
A.B., University of Rochester, 1921; A.M., 1922; Ph.D., Harvard University, 1928 (February). Assistant Professor, 1927-30; Associate Professor, 1930-38; Professor since 1938 (February).
- HENRY DONALDSON JORDAN, PH.D. 171 Woodland St.  
Professor of English History.  
A.B., Harvard University, 1918; A.M., 1922; Ph.D., 1925. Associate Professor, 1931-38; Professor since 1938 (February).
- ROBERT STANLEY ILLINGWORTH, A.M., ED.M. 209 Lovell St.  
Professor of Dramatic Art. Alumni Secretary.  
A.B., Clark University, 1917; A.M., Lafayette College, 1926; Ed.M., Harvard University, 1933. Associate Professor of English, 1931-38; Professor since 1938 (February). Director of the Summer School, 1935-41.
- DAVID POTTER, PH.D. 113 South St., Auburn  
Professor of Biology.  
B.Sc., Massachusetts Agricultural College, 1916; M.Sc., 1923; Ph.D., Harvard University, 1932. Instructor, 1924-27; Assistant Professor, 1927-33; Associate Professor, 1933-38; Professor since 1938 (February).
- CAREY EYSTER MELVILLE, A.B. 16 Isabella St.  
Professor of Mathematics.  
A.B., Northwestern University, 1901. Assistant in Mathematics, 1906-09; Instructor, 1909-11; Assistant Professor, 1911-18; Associate Professor, 1918-43; Professor since 1943. Registrar, 1914-32.
- PERCY MARTIN ROOPE, PH.D. 2 Lovell Drive  
Professor of Physics.  
A.B., Clark University, 1920; A.M., 1924; Ph.D., 1927. Instructor, 1921-27; Assistant Professor, 1927-31; Associate Professor, 1931-43; Professor since 1943.

- HENRY MORANT BOSSHARD, PH.D. 33 St. Elmo Rd.  
Professor of German.  
Ph.D., University of Zürich, 1919; M.Ed., Harvard University, 1921. Assistant Professor, 1927-32; Associate Professor, 1932-43; Professor since 1943.
- DAVID MITCHELL DOUGHERTY, PH.D. 5 Columbine Rd.  
Associate Professor of Romance Languages.  
A.B., University of Delaware, 1925; A.M., Harvard University, 1927; Ph.D., 1932. Assistant Professor, 1931-40; Associate Professor since 1940 (February).
- ROBERT HEATH BROWN, PH.D. 921 Main St., Leicester  
Associate Professor of Experimental Psychology.  
A.B., Wesleyan University, 1932; A.M., Clark University, 1933; Ph.D., 1935. Assistant Professor, 1937-44; Associate Professor since 1944.
- RUDOLPH FINK NUNNEMACHER, PH.D. 28 Copperfield Rd.  
Associate Professor of Biology.  
B.S., Kenyon College, 1934; M.A., Harvard University, 1935; Ph.D., 1938. Assistant Professor, 1939-44; Associate Professor since 1944.
- GEORGE EDWARD HARGEST, M.ED. 7 Lowell St.  
Assistant Professor of Economics and Business Administration since 1942.  
B.S., Temple University, 1933; M.Ed., 1937.
- ARTHUR EARL MARTELL, PH.D. Carleton Rd., Millbury, Mass.  
Assistant Professor of Chemistry since 1942.  
B.S., Worcester Polytechnic Institute, 1938; Ph.D., New York University, 1941.
- EDWIN CHARLES ROZWENC, PH.D. 8 Blair St.  
Assistant Professor of American History since 1942.  
A.B., Amherst College, 1937; M.A., Columbia University, 1938; Ph.D., 1941.
- PAUL FISHER, J.D. 157 Woodland St.  
Assistant Professor of Economics and Sociology since 1943.  
Doctor of Political Science and Jurisprudence, University of Vienna, 1931.
- PAUL FRANCIS MARBLE, A.M. Princeton, Mass.  
Instructor in English since 1939.  
Ph.B., Brown University, 1930; A.M., 1933.
- CARL S. MALMSTROM 11 Olga Ave.  
Instructor in Music since 1943.
- ERNEST RAYMOND WHITMAN 21 Maywood St.  
Director of Physical Education.

THE UNIVERSITY FACULTY, 1943-44

(Listed in order of academic seniority within each rank)

WALLACE WALTER ATWOOD, Ph.D., Sc.D. 160 Woodland St.  
President, Professor of Physical and Regional  
Geography, and Director of the Graduate  
School of Geography.

HOMER PAYSON LITTLE, Ph.D. 156 Woodland St.  
Dean of the College and Professor of Geology.

WILLIAM HOMER WARREN, Ph.D.  
Professor of Organic Chemistry, 1925-37.  
Professor Emeritus.

DOUGLAS CLAY RIDGLEY, Ph.D.  
Professor of Geography in Education, 1927-37.  
Professor Emeritus.

BENJAMIN SHORES MERIGOLD, Ph.D., Sc.D. 17 Charlotte St.  
Professor of Chemistry and Director of the  
Chemical Laboratories.

\*GEORGE HUBBARD BLAKESLEE, Ph.D., L.H.D., D.Eng., LL.D.  
Professor of History and International Relations.

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Professor of Romance Languages.

HAVEN DARLING BRACKETT, Ph.D. 114 Woodland St.  
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LEROY ALLSTON AMES, A.M. 114 Woodland St.  
Professor of English Literature.

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WALTER ELMER EKBLAW, Ph.D. 11 Wheeler Rd.  
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\*HUDSON HOAGLAND, Ph.D.

Professor of General Physiology.

- SAMUEL VAN VALKENBURG, Ph.D.

Professor of Geography.

11 So. Flag St.

- JESSE LUNT BULLOCK, Ph.D.

Professor of Chemistry.

35 Downing St.

\*JAMES ACKLEY MAXWELL, Ph.D.

Professor of Economics.

VERNON JONES, Ph.D.

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267 Salisbury St.

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3 Woodman Rd.

HENRY DONALDSON JORDAN, Ph.D.

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171 Woodland St.

ROBERT STANLEY ILLINGWORTH, A.M., Ed.M.

Professor of Dramatic Art. Alumni Secretary.

209 Lovell St.

DAVID POTTER, Ph.D.

Professor of Biology.

35 Stone St.

Auburn, Mass.

CAREY EYSTER MELVILLE, A.B.

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16 Isabella St.

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Professor of Physics.

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33 St. Elmo Rd.

DAVID MITCHELL DOUGHERTY, Ph.D.

Associate Professor of Romance Languages.

5 Columbine Rd.

---

\*-Absent on leave, 1943-44.



University Faculty -3-

\*WALLACE WALTER ATWOOD, Jr., Ph.D.

Associate Professor of Physiography and  
Regional Geography.

\*DONALD E. SUPER, Ph.D.

Associate Professor of Educational Psychology.

\*FREDERICK EUGENE MELDER, Ph.D.

Associate Professor of Economics and Business  
Administration.

ROBERT HEATH BROWN, Ph.D.

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EDWIN CHARLES ROZWENC, Ph.D.

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8 Blair St.

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Assistant Professor of English.

28 May St.

(HENRY JOHN WARMAN, Ed.M.

Assistant Professor of Geography.

315 Salisbury St.

\*-Absent on leave, 1943-44.

\*\*--In residence first term only, Sept. 13 - Dec. 4.

Resigned to accept a government position.





University Faculty -4-

(Fisher?) 4/10

PAUL FISCHER, J.D.

Assistant Professor of Economics.

21 Downing St.

PAUL FRANCIS MARBLE, A.M.

Instructor in English

Princeton, Mass.

CARL S. MALMSTROM

Instructor in Music. Director of the  
Musical Organizations.

11 Olga Ave.

-----  
OTHER MEMBERS OF THE STAFF

GREGORY PINCUS, Ph.D.

Visiting Professor of Experimental Biology.

60 Downing St.

HERBERT P. BARNETT

Cooperating Instructor in Practical Art..

19b Elm St.

ELIOT RODNICK, Ph.D.

Assistant Professor (Affiliate) of Psychology.

Worcester St. Hosp.

ANTONIO J. CUFFARI, A.B.

Assistant Professor of Italian

20 Loudon St.

JOHN A. SPAULDING, Ph.D.

Assistant Professor of German.

54 Queen St.

GERTRUDE GOLLER, M.S.S.

Visiting Lecturer in Sociology.

25 Lancaster St.

GUY H. BURNHAM, A.M.

Cartographer

19 Woodman Rd.

HILDA WEISS, Ph.D.

Drill Master in German. Instructor in  
Sociology.

122 Woodland St.

ERNEST RAYMOND WHITMAN

Director of Physical Education

48 Downing St.

ROCHELLEAU Z. GRANGER

Assistant Director of Physical Education.

151 Dewey St.



M. HAZEL HUGHES 638 Pleasant St.  
Director of Social Activities and Physical  
Education in the Women's College.

MICHAEL B. FOX, M.D. 390 Main St.  
Medical Director for Men.

CONSTANCE KALIRIS, M.D. 52 Downing St.  
Medical Director for Women.

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FLORENCE CHANDLER 12 Downing St.  
Bursar

LYDIA P. COLBY 276 Highland St.  
Recorder





## OTHER MEMBERS OF THE STAFF

GREGORY PINCUS, PH.D. Visiting Professor of Experimental Biology.	60 Downing St.
GERTRUDE GOLLER, M.S.S. Visiting Lecturer in Sociology.	25 Lancaster St.
GUY H. BURNHAM, A.M. Cartographer, Graduate School of Geography.	19 Woodman Rd.
M. HAZEL HUGHES Director of Student Activities in the Women's College.	638 Pleasant St.
MICHAEL B. FOX, M.D. Medical Director for Men.	390 Main St.
CONSTANCE KALIRIS, M.D. Medical Director for Women.	52 Downing St.

## RESEARCH ASSOCIATES IN BIOLOGY

ALAN MATHER, PH.D.	WILLIAM PEARLMAN, PH.D.
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FLORENCE CHANDLER Bursar.	18 Downing St.
LYDIA P. COLBY Recorder.	276 Highland St.

# Administrative Boards and Committees

## THE UNIVERSITY FACULTY

The Faculty consists of the President, the Librarian, and all members of the staff giving regular courses of instruction. It has immediate supervision over the general educational work of the university and is responsible for the nomination to the Board of Trustees of candidates for baccalaureate degrees and for honorary degrees.

Secretary of the Faculty, Benjamin S. Merigold.

## THE UNIVERSITY SENATE

An advisory board appointed by the President

Samuel J. Brandenburg

Loring H. Dodd

David M. Dougherty

Robert S. Illingworth

Vernon Jones

Dwight E. Lee

Homer P. Little

Benjamin S. Merigold

Samuel Van Valkenburg

## THE GRADUATE BOARD

The Graduate Board consists of the President and representatives of the departments offering advanced graduate instruction. It has general control of the work of the Graduate Division and is responsible for the nomination to the Board of Trustees of candidates for the degrees of Master of Arts and of Doctor of Philosophy.

President Wallace W. Atwood, *ex officio*

Samuel J. Brandenburg

Jesse L. Bullock

W. Elmer Ekblaw

Vernon Jones

Benjamin S. Merigold

David Potter

Samuel Van Valkenburg

H. Donaldson Jordan, *Secretary*

## THE COLLEGE BOARD

The College Board consists of the President, the Dean of the college, and six members of the Faculty, appointed by the President. It has immediate supervision over the work of the Undergraduate Division, subject to the control of the Faculty, and recommends to the Faculty candidates for the degree of Bachelor of Arts.

President Wallace W. Atwood }  
Dean Homer P. Little } *ex officio*

Henry M. Bosshard

Haven D. Brackett

Robert H. Brown

Norris D. Hoyt

Percy M. Roope

Rudolph F. Nunnemacher, *Secretary*

## ADMINISTRATIVE BOARDS AND COMMITTEES 13

### THE COMMITTEE ON EXTENSION COURSES AND SPECIAL STUDENTS

The Committee exercises general supervision over "courses of college grade for adults" and over special students including candidates for the degree of Bachelor of Education, and recommends to the Faculty candidates for this degree.

President Wallace W. Atwood, *ex officio*

Philip H. Churchman, *Chairman*

Samuel J. Brandenburg, *Secretary*

Henry M. Bosshard

Homer P. Little

The Director of the Summer School, *ex officio*

### THE COMMITTEE ON PERSONNEL AND ORGANIZATION

Elected annually to advise the President regarding the personnel and the organization of departments.

Haven D. Brackett

H. Donaldson Jordan

Vernon Jones

Homer P. Little

Benjamin S. Merigold

### THE ACADEMIC COUNCIL

The Council is appointed by the President of the University subject to regulations providing for the distribution of its membership among the various divisions and departments.

Its duties are: (a) to formulate educational policies and regulations necessary for their administration, subject to approval by the faculty; (b) to approve all courses offered exclusively for undergraduates and to arrange for the offering of new courses which may be required in carrying out approved educational policies; (c) to supervise "honors work", the "senior survey", and comprehensive examinations, and to require departments to make changes necessary to maintain college standards.

The President of the University, *ex officio*

The Dean of the College, *ex officio*

David M. Dougherty, *Chairman*

Arthur E. Martell, *Secretary*

Leroy A. Ames

H. Donaldson Jordan

Henry M. Bosshard

David Potter

Robert H. Brown

Percy M. Roope

Samuel Van Valkenburg

### STANDING COMMITTEES OF THE GRADUATE BOARD

The President of the university is, *ex officio*, a member of all committees of the Graduate Board.

## THE COMMITTEE ON CREDENTIALS

The committee passes upon applications for admission to the graduate division and makes recommendations to the Graduate Board in respect to fellowships and scholarships and candidacy for graduate degrees.

S. Van Valkenburg, *Chairman-Secretary*  
 Samuel J. Brandenburg  
 Benjamin S. Merigold  
 Vernon Jones

## THE COMMITTEE ON PROFICIENCY IN FOREIGN LANGUAGES

The committee examines candidates for the degree of Doctor of Philosophy for proficiency in foreign languages.

H. M. Bosshard, Professor of German  
 David M. Dougherty, Associate Professor of Romance Languages  
 A representative of the students' major department

## STANDING COMMITTEES OF THE COLLEGE BOARD

The President of the university and the Dean of the college are, *ex officio*, members of all committees of the College Board.

## EXECUTIVE COMMITTEE

Rudolph F. Nunnemacher, *Secretary*  
 Haven D. Brackett

## THE COMMITTEE ON ADMISSIONS

Samuel J. Brandenburg  
 Robert S. Illingworth  
 Carey E. Melville  
 Benjamin S. Merigold

## THE COMMITTEE ON ATHLETICS

David Potter, *Chairman*  
 Ernest R. Whitman

## COMMITTEE ON STUDENT FINANCES

Guy H. Burnham, *Chairman*  
 George E. Hargest  
 Ernest R. Whitman

## COMMITTEE ON SOCIAL AFFAIRS

H. Donaldson Jordan, *Chairman*  
 M. Hazel Hughes  
 John B. Sampson

## COMMITTEE ON FRATERNITIES

W. Elmer Ekblaw  
 Dwight E. Lee



ADMINISTRATIVE BOARDS AND COMMITTEES 15

COMMITTEE ON PUBLICATIONS

Leroy A. Ames, *Chairman*

Henry M. Bosshard

Percy M. Roope

COMMITTEE ON STUDENT PERSONNEL

Henry M. Bosshard, *Chairman*

Robert H. Brown

Paul F. Marble

STANDING COMMITTEES OF THE ACADEMIC COUNCIL

EXECUTIVE COMMITTEE

David M. Dougherty, *Chairman*

Arthur E. Martell

H. Donaldson Jordan

Percy M. Roope

COMMITTEE ON CURRICULUM

H. Donaldson Jordan, *Chairman*

David Potter

David M. Dougherty

Samuel Van Valkenburg

COMMITTEE ON SENIOR SURVEY AND HONORS

Percy M. Roope, *Chairman*

Arthur E. Martell

## General Information

Clark University is located in Worcester, Massachusetts, an industrial and educational center with a population of about two hundred thousand. It is approximately forty miles from Boston and from Providence, R. I., and about two hundred miles from New York City.

### ORGANIZATION

The UNIVERSITY includes:

THE UNDERGRADUATE DIVISION (Clark College) offering to men a general college course leading to the degree of Bachelor of Arts and a vocational course leading to the degree of Bachelor of Business Administration.

THE DIVISION OF BUSINESS ADMINISTRATION which supervises, in the college, the program leading to the degree of Bachelor of Business Administration.

THE WOMEN'S COLLEGE offering to women, in coöperation with Clark College, courses leading to the degrees of Bachelor of Arts and Bachelor of Business Administration.

THE DIVISION OF NURSING EDUCATION offering to graduate nurses a vocational course leading to the degree of Bachelor of Science in Nursing.

THE GRADUATE DIVISION offering advanced instruction leading to the degrees of Master of Arts and Doctor of Philosophy.

THE GRADUATE SCHOOL OF GEOGRAPHY offering programs leading to graduate degrees in geography.

THE GRADUATE DIVISION OF INTERNATIONAL AFFAIRS offering programs leading to graduate degrees in international affairs.

THE GRADUATE DIVISION OF EDUCATION, in the Department of Psychology and Education, offering programs leading to the degree of Master of Arts in Education.

THE SUMMER SCHOOL: merged with the summer term in 1942.

THE EXTENSION DIVISION: inactive during the war.

THE LIBRARY with its separate endowment, offering unusual opportunities for study and research.

THE ART DEPARTMENT with its separate endowment for the preservation and expansion of the art collection.

THE CLARK UNIVERSITY PRESS is associated with the university in the publication of scientific books and journals.

DEPARTMENTS at present offering courses of study are:

Ancient Languages and Literatures

Biology

Chemistry

Economics and Sociology









English Language and Literature  
Fine Arts  
Geography  
Geology  
German Language and Literature  
History and International Relations  
Mathematics  
Physics  
Psychology and Education  
Romance Languages and Literatures

Courses in music and in the cultural development of various peoples are offered in the Department of Fine Arts.

Courses in business administration are afforded under the supervision of the Division of Business Administration.

Courses for candidates for the degree of Bachelor of Science in Nursing will be offered by the Division of Nursing Education.

#### THE WAR-TIME PROGRAM

The university calendar has been modified to meet war-time needs.

In 1943-44 the academic year is divided into four terms of twelve weeks each. The fall term began on September 13, the winter term on December 13, the spring term on March 13, and the summer term is scheduled to begin on June 12.

The summer term makes it possible for an undergraduate to complete the requirements for a bachelor's degree in three calendar years or less. It is an integral part of the college year for those who take advantage of it.

The summer term is divided into two six-week sessions. The program for the second session is designed to meet the needs of teachers in the public schools and others who, in normal times, would attend a six-week summer school.

#### ADMISSION

Three classes of students are admitted:

1. Undergraduates. For requirements see announcement of the Undergraduate Division, the Division of Business Administration, and the Division of Nursing Education.

2. Graduate students. For requirements see announcement of the Graduate Division.

3. Special students. (a) Mature persons, not candidates for a degree, who wish to take advantage of the opportunities for study afforded by the university, and who give satisfactory evidence of adequate preparation for the work which they wish to undertake. (b) Candidates for the degree of Bachelor of Education.

Special students are under the supervision of the Committee on Extension Courses and Special Students: they are not classified as college students or as graduate students.

The university reserves the right to require the withdrawal at any time of any student whose record in either conduct or scholarship fails to meet the expectations implied by his admission.

Requests for information and for application forms should be addressed to CLARK UNIVERSITY, 950 MAIN STREET, WORCESTER, MASSACHUSETTS.

#### MATRICULATION FEE

A matriculation fee of \$5 is required of all students at the time of their first enrollment in Clark University.

Persons who attend as "auditors" are not required to matriculate.

Official statements of record are issued by the Recorder of the university for matriculated students only.

#### TUITION

*Fall term, winter term and spring term.* Tuition for undergraduates with programs of not more than five courses is \$240 for the three terms constituting a normal "academic year." Undergraduates who enroll for more than five courses pay additional tuition at the rate of \$48 per course. Each undergraduate also pays a yearly "activities fee" of \$20.

Tuition for graduate students with normal programs is \$240 per year. Graduate students who enroll for less than a full program are charged at the rate of \$24 per year for each "credit hour."

One third of the annual tuition and of the activities fee is collected at the beginning of each of the three terms.

If tuition is not paid within ten days after the beginning of any term, the enrollment of the student lapses. A student whose enrollment has thus lapsed may be re-enrolled, with the permission of the proper administrative officer, on payment of the overdue tuition with an additional fee of \$2.

*Summer term.* Tuition in the summer term, with a normal program, is \$48 for each session of six weeks. Tuition is charged at the rate of \$8 per semester hour for other programs.

A normal undergraduate program consists of two courses. Each course meets for five sixty-minute periods weekly.

Tuition is due and payable at any time before 5 P.M. of the Thursday following the beginning of each session of the summer term.

The following regulation was adopted by the trustees on March 28, 1931:

*"No refund of tuition and no release of obligation to pay tuition*

*shall be made because of failure for any reason on the part of a student to complete the work of any semester after it is begun."*

During the national emergency the university has made a pro rata allowance for the unused portion of the tuition paid by any student who has left the university to join the armed forces of the United States or its allies.

#### LABORATORY FEES AND DEPOSITS

Laboratory fees, payable at the time of registration, are charged in undergraduate "laboratory courses" as follows:

\$10 for each course (six semester hours).

\$5 for each half-course (three semester hours).

For courses yielding other amounts of credit the fees are adjusted on the above basis.

A "breakage deposit" is required in all undergraduate "laboratory courses" in chemistry. These deposits are collected by the Bursar, at the time of registration, according to the following schedule:

\$20 for any one of the courses in the following list: 110, 111, 215.

\$30 for any two of the above courses taken concurrently.

\$10 for each year course, excepting those listed above.

\$5 for each half course, excepting those listed above.

For courses yielding other amounts of credit, the deposits are adjusted on the above basis.

The Bursar returns any unused balance and collects any charge for breakage in excess of the deposit, after the course is completed.

Graduate students taking undergraduate courses pay the same fees and deposits as undergraduates.

A deposit of \$25 is required of each graduate student in the department of chemistry, at the beginning of the year. Ordinary supplies and materials are charged to the student's account at cost. Any balance remaining is refunded at the end of the year.

#### DIPLOMA FEES AND PUBLICATION FEES

For a bachelor's degree, the diploma fee, \$5, is due at the beginning of the term in which the candidate expects to complete work in residence for the degree.

For a master's degree, the publication fee, \$10, and the diploma fee, \$10, are due when formal application for admission to candidacy for the degree is filed.

For the degree of Doctor of Philosophy, the publication fee, \$15, and the diploma fee, \$25, are due when formal application for admission to candidacy for the degree is filed.

## MISCELLANEOUS FEES

Each freshman pays an "induction period fee" of \$2.00.

Graduate students who use the gymnasium pay a fee of \$10 per year.

Graduate students in geography pay, in addition to the regular tuition, a "camp fee," a "workroom fee" and a "classroom-materials fee." For details see the announcement of the Graduate School of Geography.

## DORMITORIES AND DINING HALL

With the coming of the Army Specialized Training Unit in August 1943 the dormitories and dining hall were taken over for the exclusive use of that unit.

When these facilities are again available for civilian students, announcement of this fact and of the conditions governing their use will be made.

## EXPENSES

A student in the college will find that his necessary expenses for the college year (September to June) amount to about \$300 in addition to the cost of board and room and personal expenses.

This expense is distributed as follows:

Matriculation (first year only)	\$ 5.00
Tuition	240.00
Activities fee	20.00
Laboratory fees (estimated)	10.00
Books and supplies (estimated)	25.00
Total	\$300.00



# The Library

EDITH M. BAKER, *Acting Librarian*

HELEN J. ELLIOTT, *Cataloguer*

## *Assistants*

MARION HENDERSON

JANICE RIPLEY

## *Student Assistants*

THEODORE B. JACOBS

SUMNER M. JORESS

CAROL L. JOHNSON

BERNARD H. SHULMAN

JAMES E. VANCE, JR.

The library, under the terms of Mr. Clark's will, received one quarter of his estate for the "support and maintenance of a university library." Thus the library is well endowed and is able to provide amply for the needs of all departments. It contains over 172,000 bound volumes and pamphlets, and the reading room receives 612 journals.

A new stack room in the form of a tower has been added to the library, which should provide for fifty years' growth.

Particular attention is paid to the needs of students engaged in research work. The library already possesses a good collection of complete sets of the best scientific periodicals. It makes liberal purchases for individual needs and supplements these by drawing upon the resources of the older and larger libraries through the inter-library loan system. The number of books added each year is about 2,500.

The books in the art collection are accessible on application to the Librarian, but by the terms of the founder's will they may not be taken from the building.

Tuesday morning of each week, all books recently added to the library are placed upon a table in the reference section, where they remain for one week. This affords the members of the university an opportunity to examine the new books in all departments before they are placed upon the shelves for circulation.

The library is open from 8 A.M. to 10 P.M. each week day (except on legal holidays), during the regular sessions of the university. During the summer term the library is open from 8 A.M. to 6 P.M.

In addition to the facilities provided by the university library, students may avail themselves of several other excellent libraries in the city; the Worcester Public Library, the library of the American Antiquarian Society, housed in the national headquarters of the society in Worcester, the library of the Worcester District Medical Society and the library of Holy Cross College.

## THE ART COLLECTION

LORING HOLMES DODD, *Curator of Art*

In his last will and testament the founder of the university bequeathed to it his collection of oil paintings and other works of art, together with the sum of \$100,000 as a permanent and separate endowment for the maintenance and enrichment of the "art department." Under these conditions a large room on the upper floor of the library building has been furnished and equipped with overhead lighting. In this room are displayed a selection from Mr. Clark's paintings and other works of art, his most valuable and finely bound books, and additional objects, especially portraits of persons of long and eminent service to the university. Special exhibitions are arranged from time to time.

# The Undergraduate Division

## "CLARK COLLEGE"

The college offers a general program leading to the degree of Bachelor of Arts, and vocational programs leading to the degrees of Bachelor of Business Administration and Bachelor of Science in Nursing.

### THE COLLEGE AND THE ARMED SERVICES

During 1941-42 the United States Navy Department authorized the enlistment of Clark College students in a program designated as V-1, under which the students remained at the college and continued their work for a bachelor's degree until assigned by the Navy Department to other courses of training. A majority of the men who enlisted under this program remained in the college during 1942-43.

Enlistment under this plan is no longer possible.

In August 1943 the college received a group of 300 soldiers under the Army Specialized Training Program. These men were distributed between a "basic engineering" program with the chief emphasis on mathematics, physics, and chemistry, and an "area and language" program with the emphasis on foreign languages, history and geography. The subjects studied were determined by Army regulations, and classes were entirely distinct from regular college classes.

Work under this program continued through two terms, ending March 4.

A more complete description of the Army Specialized Training Program and lists of the staff and of the students enrolled will be found in the later pages of this catalogue.

### ADMISSION TO THE FRESHMAN CLASS

Inquiries regarding admission and requests for blank forms should be addressed to the Dean of the College, Clark University, Worcester, Mass. Application for admission should preferably be made by March 1. *No application received after August 1 can be promised consideration.*

An applicant for admission to the freshman class is required to furnish satisfactory "character references." He must also furnish his records in any preparatory schools which he has attended. Records of entrance examinations which he may have taken and of action by any other college in respect to his admission are also required.

The completion of a four-year high school course or its equivalent, including fifteen acceptable units of credit, is normally required for admission to the freshman class. The term "unit" is understood to

mean approximately one-quarter of the pupil's normal program of work for the school year.

The "fifteen acceptable units of credit" must include:

Required subjects, 5 units.

English 3 units (4 years).

\*Mathematics, 2 units (algebra and geometry).

Restricted electives, 7 or more units chosen from:

Foreign language, 2, 3, or 4 units. (The college does not accept less than 2 units in any foreign language.)

Social sciences, 2 or 3 units (history, government, civics, economics, etc.)

Natural sciences, 2 or 3 units (physics, chemistry, biology, etc.)

Mathematics, 1 or 2 units (in addition to required units).

Free electives; not more than 3 units, at the discretion of the committee on admissions, in subjects recognized by the applicant's preparatory school in its regular program.

*Quality Requirements.* Applicants whose references are satisfactory and who are "certified" in fifteen acceptable units will be admitted without conditions.

Applicants who present fourteen "certified" units and one "pass" unit may be admitted with *one condition* (see below); applicants who present thirteen "certified" units and two "pass" units may be admitted with *two conditions*. No applicant with less than thirteen acceptable units of "certified" credit or its equivalent will be accepted without examination, unless his average grade places him in the highest quarter of the class with which he graduates from high school. Applicants who qualify under this provision may be admitted "with two conditions," at the discretion of the Dean of the college.

Certificates are accepted from schools in New England under the regulations of the New England College Admissions Board.

A certificate from a school which lies outside of the jurisdiction of the board may be accepted and will be interpreted in the spirit of the regulations of the board. It will be assumed that the school is willing to be judged in respect to continued certification privilege, on the basis of the college records of the candidates in subjects which are "certified."

*War-time Emergency Provisions.* The Faculty has voted as a war-emergency measure that high-ranking students who have completed, with satisfactory records, three and one-half years of preparatory school study may be considered for admission to the college.

*Entrance Examinations.* Applicants who cannot present the nec-

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\*Applicants expecting to specialize in "science" are advised to present at least 3 units of mathematics.



essary number of "certified" units should arrange in consultation with the Dean of the college to take "College Board" examinations. The college will determine in each case what constitutes a satisfactory record in the examinations.

*Conditions.* Conditions may be in specified subjects, or may be general, in the latter case indicating some deficiency in the candidate's preparation as a whole.

Applicants who are accepted "with conditions" have an opportunity to free themselves from these conditions before enrolling, by satisfactory records in "College Board" examinations.

Conditions are removed if, at the end of freshman year, the student has met the scholarship requirements for regular standing, namely, no failures and grades above D+ in three-fourths of the normal credit for the year.

*A last chance to remove conditions is offered by "College Board" examinations after the end of the freshman year and before the beginning of the sophomore year.*

Each condition not removed before the beginning of the sophomore year is replaced by an additional requirement for graduation amounting to one half course.

#### ADMISSION WITH ADVANCED STANDING

A student who wishes to enter the college after attending another institution of college grade is required to submit a letter of honorable dismissal, a complete transcript of his record at the institution last attended and such other information as the Committee on Admissions may request. If he is admitted he will be provisionally classified as a freshman, sophomore, junior, or senior and will be permitted to register for a program corresponding to this classification. He will not be given a final class rating until he has been in residence for at least one term.

After a term in residence he will be given conditional credit for the work done elsewhere to an amount determined by vote of the College Board, on the recommendation of the Recorder and the departments concerned.

Graduates of the three year course of the Worcester Art Museum school may be admitted as candidates for the bachelor's degree with the rank of *junior* in the college.

The bachelor's degree will not be conferred upon a student until he has spent at least a year in residence at Clark University, and usually not unless the period of residence includes the two semesters immediately preceding the granting of the degree.

#### THE WAR EMERGENCY ACCELERATED PROGRAM

One result of our national emergency has been the attempt of

institutions of higher education to speed up their undergraduate program in order that their students may make the maximum possible progress toward completing the requirements for a degree before responding to the call of their country.

Since 1942, Clark University has offered an "accelerated program" of college work which permits a student who takes advantage of the twelve-week summer term to complete the requirements for a bachelor's degree in three calendar years. In exceptional cases the time may even be shortened to two years and eight months.

#### FACULTY ADVISERS

When a student is admitted to the college he is assigned to a member of the faculty who will act as his adviser. The adviser will assist the student in making up his program of studies for registration and will be ready at all times to afford him help and counsel, either in regard to problems of college life or other matters.

#### FRESHMAN INDUCTION PERIOD

The freshman class of the men's college assembles at the college on Friday before the opening of the academic year to become acquainted and to complete various important preliminaries before the beginning of class work.

#### REGISTRATION

Registration of a program of studies for each term of the college year takes place at or before the beginning of the term. Due notice of registration periods is given. Failure to register before the end of the periods designated involves a charge of \$1 for each day's delay up to a maximum of \$5.

Changes in registration may be made, on forms supplied by the Recorder, within a reasonable time after the beginning of any term.

Freshmen may register for programs of either five or six courses in the first term. In subsequent terms programs of six courses are restricted to students whose average grade in all courses for the preceding term has been C+ or better, except in the case of seniors. A senior whose graduation depends upon the completion of a program of six courses may register for such a program if his average grade for the preceding term has been C— or better.

The designation of a *major subject* is required as part of registration at the beginning of a student's second year in college. This election when once recorded may be changed only with the approval of the Dean. Although the *major subject* is not officially recorded until the student's second year in college, he should plan his program from the beginning with his probable choice in mind.

## STUDENT PROGRAMS

The curriculum permits considerable freedom of adjustment to individual differences of interest. Each student's program of studies includes a group of courses constituting a *major*, also courses in English, in foreign language, and in fine arts or music, and other courses chosen under regulations intended to insure a reasonable distribution of work among the various departments. A large part of each program is made up of courses chosen without restriction.

For statements regarding courses which may be combined to form a *major*, the announcements of the different departments should be consulted.

A regular student normally carries a program of five courses in addition to required work in physical training, from September to June. In general it is expected that a course meeting three times weekly will require two hours of preparation for each lecture or recitation. Laboratory periods are usually three hours in length.

A student carrying the regular program should expect his college work to require from forty-five to fifty hours of his time per week, in addition to the work in physical training.

A candidate for the bachelor's degree in less than the normal period of time will generally carry a program of six courses and should expect to spend his entire time on college work.

Subjects in which instruction is offered are grouped in four divisions:

DIVISION A. Biology, botany, chemistry, experimental psychology, geology, mathematics, meteorology, physics, physiology.

DIVISION B. Economics, education, geography, history, international relations, psychology, sociology.

DIVISION C. Ancient languages, English, German, romance languages.

DIVISION D. Fine arts.

A first-year student must make up his program entirely from courses designated as "Open to Freshmen."

A candidate for the degree of Bachelor of Arts must include the following courses in his program for the freshman year:

1. English 11.
2. A course in foreign language.
3. A course in division A.
4. A course in division B.
5. An elective. (Mathematics 10 or 11 for students intending to major in division A.)

A second-year student should complete as many as possible of his remaining requirements.



*Any first-year requirements which have not been completed must be included in the program of courses for the second year.*

Candidates for the degrees of Bachelor of Business Administration or Bachelor of Science in Nursing will follow programs outlined under the announcements of the Division of Business Administration, or the Division of Nursing Education, respectively.

Undergraduates, other than freshmen, may enter any course listed "primarily for undergraduates," for which, in the judgment of the instructor in charge, they are prepared. Seniors and juniors who have completed the published prerequisites are admitted, at the discretion of the instructor in charge, to courses listed "for advanced undergraduates and graduate students." Undergraduates are not admitted to courses "primarily for graduate students" except in rare cases, and then only by special vote of the College Board and the approval of the secretary of the Graduate Board.

Regular physical exercise is required of all students for the general promotion of their health and mental efficiency. This is scheduled at times which avoid conflict with recitation hours. *Students are usually excused from this requirement only on the recommendation of the college physician.*

#### REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

All college regulations involving a quantitative statement of "credit" are expressed in terms of "courses."

A "course" as a unit of credit normally implies three or four class meetings or laboratory exercises per week throughout the academic year (September to June) i.e. one-fifth of a student's normal program. Where departments offer fractional courses, these will be combined in reckoning a student's total credit in courses.

A student in good standing in the college will be recommended for the degree of Bachelor of Arts whenever he completes all of the following requirements, unless in the judgment of the College Board there is cause for withholding this recommendation.

1. *Residence.* Not less than three academic years of college study in residence. At least one full year and usually the last year before the degree is conferred must be spent at Clark University.
2. *Course requirements.* Twenty "courses," in addition to required work in physical training, with satisfactory scholarship record.

\*Beginning with the class graduating in 1944 (with a non-

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\*By vote of the faculty (April 5, 1943) the revised requirements for graduation will not go into effect until the end of the war emergency.

Until that time the requirements will be twenty courses except in the case of "accelerating students," who will be graduated upon the completion of nineteen courses.



accelerated program), the requirement for graduation will be eighteen courses, in addition to a "senior survey", and the passing of a comprehensive examination in the major subject.

3. *Physical training.* Three years of physical training, two hours per week. (Three times a week throughout the entire college course, during the present national emergency.)
4. A *major*, i.e. seven courses, approved by the student's major department. Four or five of these courses must be in the major department, the remaining two or three must be in subjects related to the major subject.

Mathematics is a requirement in the freshman year for a student who intends to major in division A. This course may be included in the seven courses constituting the *major*.

Elementary Greek or Latin is a requirement in the freshman year for a student who intends to major in division C, unless at least two units of one of these languages have been accepted for admission. This course may be included in the seven courses constituting the *major*.

5. *English.* (a) English 11, or its equivalent; a requirement in the freshman year for all candidates for the degree of Bachelor of Arts.

(b) An additional half course in English literature, composition or public speaking.

(c) Satisfactory proficiency in the use of English.

6. *Fine Arts or Music.* A half course chosen from the following list: Fine Arts 1, 10 or 11; Music 12; French 113; German 14 or 141; Greek 123.
7. *Foreign language.* (a) One course in foreign language, required in the freshman year.

(b) One course in a foreign language at or beyond the level of third-year college courses in that language. This requirement may be met by the course required in the freshman year.

8. *Division A.* Two courses. These courses may not be distributed between more than two *fields* of study.

Courses in the history of the sciences are not counted toward the fulfilment of this requirement.

9. *Division B.* Two courses. These courses may not be distributed between more than two *fields* of study.

#### GRADING AND SCHOLARSHIP

At the end of each term a final grade—in terms of A, excellent; B, good; C, average; D, poor; F, failure—is reported for each course. The modifying symbols plus (+) and minus (—) are used to indicate variations within each general classification. A report of "incomplete" is permitted only when severe sickness or some equally

unavoidable circumstance prevents the completion of a course. Failures may not be "made up," except by repeating the course.

Courses with grades of D+, D or D— may be counted toward a bachelor's degree only up to a maximum of one-quarter of the total credit required; i.e., not more than five (5) such courses, or their equivalent in fractional courses, may be counted. If grades are not given in some of the twenty courses required for the degree, the maximum credit which may be counted with grades of D+, D or D— is reduced to one-quarter of the total credit from courses in which grades are given.

#### CLASSIFICATION OF STUDENTS

Students are classified as freshmen, sophomores, juniors or seniors on the basis of the amount of credit toward the bachelor's degree shown by their records at the beginning of each academic year. It is to be noted that this classification involves the question of quality as indicated in the preceding section. Neither length of residence nor number of courses completed will change a student's classification unless the required quality of work has been done.

Any student who, at the beginning of any term, is clearly in a position to complete the requirements for the degree before the beginning of the next term is classified a *senior*.

#### GENERAL HONORS

*First honors* and *second honors* are awarded annually to members of each class who have, in the judgment of the College Board, distinguished themselves by their scholarship during the year.

The bachelor's degree is awarded *with honor*, *with high honor*, and *with highest honor* to members of each graduating class whose records, in the judgment of the College Board, warrant this distinction.

#### DEPARTMENTAL HONORS

An "honors program," leading to the degree of Bachelor of Arts *with honors in a particular department*, may be undertaken by a member of the junior class if his cumulative scholarship average places him among the highest third of his class. This plan permits an able student in coöperation with his "honors' adviser", to organize the work of his junior and senior years into a unified program which may include a certain number of "honors courses." In these he works with a considerable measure of independence under the supervision of "honors adviser". A maximum of two "honors courses" may be included in the program of any candidate for departmental honors.

Application for honors work should be made, in writing, to the major department not later than the first day of May of the sophomore year.

Admission to candidacy for departmental honors does not relieve a student from any of the standing regulations of the college except as specifically stated above. If a student's candidacy for honors is terminated for any reason, the amount of credit, if any, to be allowed for special "honors courses" will be determined by the College Board in consultation with the major department.

#### SCHOLARSHIP SOCIETY

The Clark Scholarship Society was organized in 1914. Its object is, "to maintain a high and broad conception of scholarship; to encourage devotion to scholarship, so conceived; to promote a close relation for mutual benefit between the undergraduate members and the faculty members of the society." Membership in the society is open to members of the faculty. Student members are elected at the end of the junior year from the men of high standing in the junior class. Nominations are made by the College Board and the undergraduate members of the society elect from the men so nominated. Additional nominations are made at the middle and end of the senior year.

#### ABSENCES

Regulations applying to absences from scheduled class meetings and laboratory exercises are based upon the conviction that such absences, regardless of their cause, involve a loss to the student and a drag upon the class. Students are, accordingly, expected to be consistently regular in attendance. Subject to this general provision, students are given a considerable degree of freedom in the control of their attendance. It is expected that such freedom will not be abused, and that it will contribute to the growth of each student's sense of responsibility.

Detailed regulations in harmony with the foregoing principles are posted on the official bulletin board for the guidance of students. They are also published in the Students' Handbook, issued annually. Students are expected to familiarize themselves with these regulations.

Special regulations apply to attendance at the weekly assemblies and physical training.

#### EXTRA-CURRICULAR ACTIVITIES AND STUDENT LIFE

Student life at Clark is, as would be expected at a small institution, friendly and informal. Fixed rules and regulations are few, the assumption being that students will conform to the recognized



standards of morality, good order, and gentlemanly conduct. College activities are, however, under sufficient faculty oversight to insure responsibility in business dealings and consideration of the welfare of the individual student and of the college community.

*The Activities Fee.* Athletics and several non-athletic activities are partially supported by the "activities fee." This fee admits a student, without additional charge, to all athletic contests held on the college grounds, provides him with the college newspaper and admits him to plays and concerts presented by the dramatic and musical clubs.

*Activities.* Intercollegiate activities are, with a few exceptions, suspended "for the duration". A steadily increasing intramural program of athletic sports gives opportunity for widespread participation in games and contests of various sorts.

Opportunities for recreation, outside of athletics, are found in dramatic clubs and musical clubs, under expert direction; in editing and publishing the college newspaper (*The Scarlet*) and the senior yearbook (*The Pasticcio*); also in such organizations as the Debating Club and International Relations Club. Gryphon, the senior honorary society, plays an important part in campus life. Non-athletic activities are under the jurisdiction of the Student-Faculty Council.

Weekly teas at the Alumni Gymnasium give opportunity for informal social contacts with members of the faculty and their wives and with fellow-students. Formal "proms," informal "Bohemes" and fraternity activities furnish further opportunities for social life. For many students, the most prized opportunity for social contacts is in the offices and laboratories, where members of the faculty may be visited with ease and freedom. The small size of Clark College encourages an intimacy which would be much more difficult to obtain in a large institution.

*Eligibility.* Participation in organized extra-curricular activities is denied only when a student's scholastic record indicates that continuance in an activity might be responsible for scholastic failure. A student is "eligible" if he is enrolled in a regular program of five courses and if at the end of any half term he has (a) "passed" in all courses and been graded at least C— in one of them, or (b) "passed" in all but one course and been graded at least C— in two of them.

Any student carrying less than a full program of studies is ineligible unless his program permits graduation at the end of the term in which the reduced program is carried.

*A special student is not a college student* and is therefore not authorized to participate in competitive college "activities". The College Board may, however, permit such participation in the case of a special student who is enrolled for a full program (five courses).









Students admitted with advanced standing from another college are ineligible during the first half term of residence at Clark College.

Ineligibility becomes effective the eleventh day after the beginning of a half term and continues through the tenth day of the succeeding half term.

#### SCHOLARSHIPS

Applications for undergraduate scholarships should be filed at an early date on forms which may be secured at the college office.

THE JONAS G. CLARK SCHOLARSHIPS, established by the trustees, provide either full tuition or half tuition for undergraduate male students from outside of Worcester.

To be eligible for a scholarship award an entering student must have averaged in the upper third of his preparatory school class. The scholarship committee may continue the award from term to term as long as the student maintains an average in the upper half of his college class.

THE THEODORE T. and MARY G. ELLIS FUND provides scholarships covering half tuition or, in some cases, full tuition for male residents of Worcester who are students in "the collegiate department of Clark University."

THE SANFORD MEMORIAL SCHOLARSHIP FUND, established by alumni of the university, provides an annual scholarship, amounting at present to \$200, for a male undergraduate.

THE LIVERMORE AND AMBULANCE SCHOLARSHIP was endowed by citizens of Worcester in honor of Charles Randall Livermore, the first Clark man to fall in battle in the World War, and of his companions in the Clark Unit of Ambulance Drivers. Fifty dollars or more is awarded annually, on the basis of academic success, character, and usefulness to the college. This scholarship is for male students who are residents of Worcester County.

THE HENRY A. WILLIS FUND provides scholarships for male students from Fitchburg, Massachusetts, and vicinity. In the absence of suitable candidates from this community grants may be made to others.

THE HELEN BREWSTER RANDOLPH MEMORIAL SCHOLARSHIP, established by the late Professor Randolph, provides about \$250 annually for scholarships for male college students, preferably those whose "major" is a foreign language.

THE GORDON A. HUBLEY SCHOLARSHIP FUND of approximately \$25,000 was bequeathed by Alice B. Hubley in memory of her son,

a graduate of the college in the class of 1910. The income is to be used for the assistance of male undergraduates who are residents of Worcester.

THE B'NAI BRITH SCHOLARSHIP, provided by the Worcester chapter, Order of B'Nai Brith, is primarily but not exclusively for the aid of Jewish students.

THE PROBUS CLUB OF WORCESTER offers a scholarship of one hundred dollars.

THE HARRY G. FAGER SCHOLARSHIP of the Odin Club is awarded annually to some young man of superior scholarship and personality, with limited means and of Scandinavian blood, from Worcester or vicinity. This scholarship, \$200, is awarded every second year to a student at Clark University.

THE CLARK UNIVERSITY FACULTY WOMEN'S CLUB offers scholarships to students who rank high in intellectual and personal qualities. The club is assisted by alumnae and wives of alumni.

THE CLARK UNIVERSITY ALUMNAE ASSOCIATION has, for several years, offered a scholarship of one hundred dollars to an undergraduate.

Aid given in the form of scholarships is not regarded as a loan. It is recognized, however, that those who receive such aid may wish to return the amount in later years. Any sums received from this source will be added to the Alumni Loan Fund of the College.

#### LOAN FUNDS

Loans are covered by endorsed notes payable at a fixed date and bear interest at the rate of 4 per cent per year. Interest received from loans is in all cases added to the fund from which the loan was made.

THE ALUMNI LOAN FUND is a permanent revolving fund established by the trustees and the alumni. To this has been added a fund of about \$500 contributed by L. Kelly Foster, C. B. L. Kelley, Isador Lubin, H. M. Smith, and others.

THE ESTABROOK LOAN FUND was created by the generosity of the late Arthur F. Estabrook of the Board of Trustees.

THE HASKELL TALAMO LOAN FUND has been established by relatives and friends of the late Doctor Haskell Talamo, A.B., Clark University, 1916.



THE LOUIS N. WILSON FUND. Income from this fund is used as a revolving loan fund for male students in the college.

Loans from the funds described above are made to undergraduates by the Dean of the college in coöperation with the Alumni Committee on Loans.

THE SARAH M. THURBER LOAN FUND was established by the late Dr. Charles H. Thurber, former president of the Board of Trustees, as a memorial to his mother. The fund is administered by the President of the university.

## The Women's College of Clark University

By action of the Board of Trustees, the Women's College of Clark University was established in the fall of 1942, for the benefit of young women who wish to attend a liberal arts college in Worcester.

All courses of instruction available for men are open to women. The requirements for admission and for a bachelor of arts degree are identical with those for men, and the same tuition and fees are charged. (See earlier section of this catalogue, where requirements and fees are dealt with in detail.)

Dormitory accommodations will be available for undergraduate women students in the fall of 1944. If it is desired that other arrangements be made for students who do not live at home, written request from a parent or guardian must be sent to the Dean's office and the Dean's approval must be obtained.

Suitable provision has been made for the comfort and convenience of women students while on the campus. A large room on the first floor of Jonas G. Clark Hall, attractively decorated and comfortably furnished, is used by the women as a lounge and study-room and as a center for their activities. They also have a convenient locker room, where personal possessions may be left when not in use.

The general supervision of the extra-curricular activities of women students is in the hands of Miss M. Hazel Hughes, director of student activities. The Women's College has an Advisory Board composed of representative Worcester women who are interested in the educational program, and who advise the administration on matters of general policy. The wives of members of the faculty coöperate with the women students in the planning and conduct of social affairs.

### ATHLETICS

Women students have the use of the university gymnasium two afternoons a week, in a program directed by an instructor in physical education. All students are examined at the beginning of the year by a woman physician, who lives in the neighborhood and is readily available when needed.

Several types of athletics are open to women. In the fall hockey and tennis are played outdoors. Tennis tournaments are held both spring and fall and a cup is awarded to the winner. During the winter months basketball is the principal organized athletic activity. In the spring archery, as well as tennis, is popular.

There is also a physical fitness program, designed to improve posture and general health. Swimming and life saving courses are available through arrangements with the Young Women's Christian Association.

Students receive free tickets to all athletic events.

## STUDENT ACTIVITIES

The Women's College has its own student government and class officers who direct student activities. A social committee plans parties and group meetings. There is a small but interested group which has formed an Inter-Faith Association which holds regular meetings.

Women students may join many of the organizations of the men's college. They serve on *The Scarlet*—the college newspaper, *The Pasticcio*—the college yearbook, and are eligible for membership in the debating society and glee club. A small mixed group of madrigal singers meets regularly. The women students participate in the dramatic productions, both in acting and assisting with stage settings and costumes. The girls are represented on the "Boheme Committee" which plans the college dances, and on the Student Activity Fund Committee. As the Women's College grows new student organizations will be formed as the need arises.

## ADMISSION AND SCHOLARSHIPS

As stated above, requirements for admission are outlined in detail in an earlier section of this catalogue. In addition to admissions to the freshman class, admission to the upper classes by transfer from other colleges is possible in a limited number of cases.

A number of scholarships have already been established in the Women's College and it is expected that others will be announced in the near future.

The Clark University Women's Club and the Clark University Alumnae Association each offer two scholarships. The Swedish National Federation has a scholarship awarded annually to a deserving student of Scandinavian stock from Worcester or vicinity. The Soroptimists Club of Worcester has provided a scholarship for a woman student. Other special awards have been made possible by friends of the college.

Correspondence regarding admission and requests for application blanks should be addressed to:

THE WOMEN'S COLLEGE, CLARK UNIVERSITY, WORCESTER, MASS.

Applications for scholarships should be addressed to the Dean of the college.

## Undergraduate Division of Business Administration

WALLACE W. ATWOOD, President of the University.

HOMER P. LITTLE, Dean of the College.

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SAMUEL J. BRANDENBURG, Professor of Economics and Sociology.

ROBERT S. ILLINGWORTH, Professor of Dramatic Art.

GEORGE E. HARGEST, Assistant Professor of Business Administration.

PAUL FISHER, Assistant Professor of Economics and Sociology.

EDWIN C. ROZWENC, Assistant Professor of History.

PAUL F. MARBLE, Instructor in English.

### ADMINISTRATIVE COMMITTEE

SAMUEL J. BRANDENBURG, *Chairman*

GEORGE E. HARGEST

HOMER P. LITTLE

### PURPOSE OF THE DIVISION

The Division of Business Administration is an integral part of the undergraduate college of Clark University. The curriculum of the division is avowedly vocational in its purpose; but the students are held to the same standards of achievement, are subject to the same regulations, and enjoy the same privileges as other members of the undergraduate body.

The division offers a four-year undergraduate course of study covering the basic general principles of business, as well as the principles and techniques of special phases of business. A student who completes the course should be able to perfect his skill in his special job more quickly, to adapt himself to general business requirements more readily, and to relate his job to the entirety of modern economic enterprise more intelligently than one who lacks this training.

### POSSIBLE WAR-TIME ADJUSTMENTS

Disturbed world conditions and uncertainty as to the future may deter some capable students from entering upon a four-year curriculum leading to a degree even in the shorter period (two years and eight months) required by the "accelerated" war-time program. At the same time government and war industries are urgent in their demands for speedy training of young persons for varied types of service.



Students whose time is limited may therefore select courses of immediate practical value, without present regard to degree requirements; should such students later return and become candidates for the degree, work already completed can be adjusted to the degree requirements without serious loss.

Members of the faculty may also be affected by war-time emergencies; hence the division cannot guarantee that all courses will be offered as announced. The division is confident however, that despite uncertainties, it can sustain an adequate program of work.

### ADMISSION

Applicants for admission to the freshman class in the Division of Business Administration are accepted on the same basis as other applicants for admission to the college, except that the secondary school units presented for admission may be distributed as follows:

<i>Required subjects</i> .....	8 units	<i>Elective studies</i> .....	7 units
English .....	3 units	(of which as many as 3 units may	
Mathematics (algebra) .	1 unit	be in commercial subjects)	
Foreign language .....	2 units	Total .....	15 units
Social studies .....	2 units		

As a war-time emergency measure high-ranking students who have completed three and one-half years of high school study may be admitted to the college. Each application under this provision is given careful individual consideration.

### THE DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION

The division recognizes that there are fundamental principles and methods common to all business enterprises; hence certain basic courses in accounting, business law, economics, English, statistics, etc. are required. As the student advances, greater freedom of election in line with his individual interests and ambitions is permitted. In addition to the courses in business administration, a limited number of other courses offered in the college are open for election by qualified students, subject to approval by the divisional committee.

The following courses are required of all candidates for the degree of Bachelor of Business Administration.

B.A. 11 Fundamentals of Business	B.A. 20. Business Law
B.A. 13. Business Mathematics	Econ. 11. Principles of Economics
B.A. 14. Business English	Econ. 12. Industrial and Commercial
B.A. 16. Business Statistics	History
B.A. 117. Principles of Accounting	Eng. 11. English Composition
B.A. 18. Business Organization and Finance	Eng. 12. Public Speaking

*The first and second years.* Each year's program consists of four

required courses and one elective, in addition to physical training, as indicated below; the elective may be any additional courses in business administration for which the student is prepared, or may be chosen from other departments, subject to approval of the division.

The typical freshman program will be:

<i>First Semester</i>		<i>Second Semester</i>	
Eng. 11a.	Composition	B.A. 14b.	Business English
Econ. 12.	Industrial and Commercial History	Econ. 12.	Industrial and Commercial History
B.A. 11.	Fundamentals of Business	B.A. 11.	Fundamentals of Business
B.A. 117.	Principles of Accounting	B.A. 117.	Principles of Accounting
Elective and Physical Training		Elective and Physical Training	

The typical sophomore program will be:

<i>First Semester</i>		<i>Second Semester</i>	
Econ. 11.	Principles of Economics	Econ. 11.	Principles of Economics
B.A. 127.	Intermediate Accounting	B.A. 127.	Intermediate Accounting
B.A. 16.	Business Statistics	B.A. 16.	Business Statistics
B.A. 13.	Business Mathematics	B.A. 13.	Business Mathematics
Elective and Physical Training		Elective and Physical Training	

*The last two years.* Before entering upon the work of his junior and senior years a candidate for the degree in business administration must, with the assistance of his faculty adviser, work out a complete program for the remaining two years of study. This program will normally include one or more electives in each year and must include any required courses not yet completed. It must also provide for adequate concentration in one or more "fields of concentration," according to the student's interest.

Some of the fields of concentration are:

Accounting	Marketing and advertising
Finance and banking	Personnel work
General business	Industrial management

#### COURSES PRIMARILY FOR UNDERGRADUATES

**11. Fundamentals of Business.** The course introduces the internal problems of a business enterprise; field trips provide an opportunity to observe how the business concerns of the community meet these problems.

Open to freshmen.

Through the year. Tu. Th. S., 11.

MR. FISHER

**Economics 12. Industrial and Commercial History.** For freshmen and sophomores only.

Through the year. M. W. F., 9.

MR. BRANDENBURG

**13. Business Mathematics.** An elementary course designed to give the necessary foundation for an understanding of the mathematics involved in business transactions.

Open to freshmen.

Omitted, 1943-44.

**14. Business English.**

Open to freshmen.

Omitted, 1943-44.

**16. Business Statistics, Business Charts, Graphs and Reports.**

Methods of analyzing and presenting statistical data with special reference to business and economic problems. Applications of statistical methods to quantitative business and economic material, with practice in presentation of such data in tabular and graphic forms.

Indivisible course.

Through the year. M. W. F., 9.

MR. HARGEST

**18. Business Organization and Finance.** A unified year course in the financial structure of modern industry. Emphasis is placed on the nature of the business corporation, its financial practices, and the problems of internal financial control.

Through the year. Tu. Th. S., 11.

MR. HARGEST

**112. Introduction to Personnel Management.** For students of personnel problems as they appear in education, industry and office work; the selection, training and management of manpower in private and public business.

Through the year.

MR. FISHER

Omitted, 1943-44.

**117. Principles of Accounting.** The organization and use of financial records, with emphasis on their interpretation as well as on the technique of procedure.

Indivisible course.

Through the year. Tu. Th., 9; Th., 2.

MR. HARGEST

**127. Intermediate Accounting.** A study of the difficulties encountered in actual accounting practice, and the theoretical considerations that govern in distinguishing sound from unsound policies in the determination of valuations, reserves, classifications of profit-and-loss items, and allocation as between accounting periods, etc.

Indivisible course.

Through the year. M. W. F., 10.

MR. HARGEST

**128. Cost Accounting.** A study of cost-finding systems, with special reference to basic principles in accounting for materials, labor

and burden. Emphasis is placed upon the use of forms and special books and the preparation of appropriate statements.

Omitted, 1943-44.

**181a. Industrial Management.** A study of the techniques of executive control and the measures of managerial efficiency pertaining particularly to production control, operation standardization, purchasing, inventories, selling and budgeting.

Omitted, 1943-44.

MR. HARGEST

**182b. Office Management.** A survey of the principles of office procedure and management with special emphasis upon office organization and planning, departmental organization, standardization of equipment and methods, employee selection and training, office forms, office costs and budget, and correspondence.

Omitted, 1943-44.

MR. HARGEST

#### COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATE STUDENTS

**20. Business Law.** The principles of law, as applied by the courts, in settling disputes which arise out of business transactions. Cases centering about the law of contracts, property, sales, negotiable instruments, agency and other divisions of commercial law are studied.

Through the year. Tu. Th. S., 10.

MR. FISHER

**21b. Business Cycles.** An analysis of the business cycle, a study and comparison of various causation theories and of proposals for its possible control.

Omitted, 1943-44.

**24. Marketing, Selling and Advertising.** A survey of the principles and methods of distributing industrial and agricultural products. The study of markets, marketing functions and agencies leads to a discussion of selling policies, practices and problems. The study of selling leads to the field of advertising, its principles, methods and effects. The social aspects of the distribution process are considered in connection with Government regulations and control.

Omitted, 1943-44.

**227. Auditing.** After a careful analysis of the purpose and scope of the several classes of audits, the course deals with (1) methods of handling engagements, (2) audit procedure, (3) detection of errors and fraud, (4) study analysis and preparation of certificates and reports.

Omitted, 1943-44.



**237. Advanced Accounting.** A careful study of organization and liquidation procedures for the several forms of business organizations, involving a thorough analysis of the problems and the methods of attack. Consolidation, branch and foreign trade accounting are also considered.

Through the year. M. W. F., 11.

MR. HARGEST

# The Undergraduate Division of Nursing Education

## ADVISORY COUNCIL FOR THE DIVISION OF NURSING EDUCATION

WALLACE W. ATWOOD, President of Clark University, Chairman,  
*ex officio*

MRS. ALBERTA M. TRUNCK, Director of Nursing Education, Worcester City Hospital, Co-Chairman

RUDOLPH F. NUNNEMACHER, Associate Professor of Biology,  
Secretary

HOMER P. LITTLE, Dean of the College

DAVID POTTER, Professor of Biology

MISS ELEANOR BOWEN, State Board of Nursing Examiners

MISS MARGARET L. BOYLE, Director of Public Health Nurses

DR. BARDWELL FLOWER, Superintendent, Worcester State Hospital

MISS ERMA M. KUHN, Superintendent of Hahnemann Hospital

MISS EDNA LAWSON, Superintendent of Harvard Hospital

MISS ELLA L. PENSINGER, Executive Director, Worcester Society  
for District Nursing

MISS ELLEN M. RAFUSE, Director of Nursing Education, Memorial  
Hospital

MRS. KATHARINE M. STEELE, President of Worcester County League  
of Nursing Education

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The Undergraduate Division of Nursing Education was established in the spring of 1944 to offer courses leading to the degree of Bachelor of Science in Nursing. The permanence of this Division will depend on the response to this offering as reflected by the enrollment during the next two years.

### ADMISSION

Graduate nurses and registered nurses whose training has included the subjects usually required in recognized schools of nursing will be eligible for admission as candidates for the degree of Bachelor of Science in Nursing.

While it is desirable to begin regular college courses in September or at the beginning of the summer term. Students may, however, be admitted at the beginning of any term if courses can be found which they are qualified to enter.

Applicants for admission should address inquiries to the Division of Nursing Education, Clark University, Worcester (3), Mass.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE  
IN NURSING

One hundred and twenty semester hours of college credit will be required for the degree. Credit of about thirty semester hours will normally be granted for the completion of a standard course at a recognized school of nursing. Additional credit of about sixty semester hours must be earned in regular courses offered by Clark University, according to the following schedule.

Division A (biology, chemistry, geology, mathematics, physics and experimental psychology)	24 semester hours
Division B (economics, education, geography, history, psychology and sociology)	24 semester hours
Division C (English)	9 semester hours
Division D (fine arts)	3 semester hours
Total	60 semester hours

The completion of the above program with any additional work which may be required to give a total credit of ninety semester hours will entitle a student to classification as a senior in the college. Seniors will complete the requirements for the degree by earning an additional thirty semester hours in advanced professional courses (nursing administration, public health, etc.) which will be provided by the division of nursing education in coöperation with the hospitals, public health services and other suitable agencies.

Descriptions of courses offered by the various departments may be found elsewhere in this catalog under the heading "Departmental Announcements".

## SCHOLARSHIP STANDARDS

Candidates for the degree of Bachelor of Science in Nursing will be required to meet the scholarship standards which apply to candidates for the degrees of Bachelor of Arts and Bachelor of Business Administration.

## TUITION AND FEES

A statement covering tuition, fees and other expenses will be found in the earlier pages of this catalog.

## The Graduate Division

Admission to the graduate division is open to properly qualified persons, both men and women.

Instruction and opportunities for study leading to the degrees of Master of Arts and Doctor of Philosophy are offered by the following departments:

- Chemistry
- Economics and Sociology
- Geography
- History and International Relations
- Psychology

The Division of International Affairs offers work in that field leading to the degrees of Master of Arts and Doctor of Philosophy.

The Division of Education, in the Department of Psychology and Education, offers training leading to the degree of Master of Arts in Education.

Other departments offer courses of an advanced nature which, with the consent of the Graduate Board, may be included in the programs of graduate students, but they are not prepared at present to offer complete programs leading to the higher degrees.

### ADMISSION TO THE GRADUATE SCHOOL

Admission is granted only by the Graduate Board on recommendation of a department.

*Application.* A prospective applicant should communicate with the department in which he expects to do his major work. If he is encouraged to make application by the department, he will receive the application blanks and should submit them to the chairman of the department with an official transcript of undergraduate work, two letters of recommendation from persons in a position to speak frankly of his qualifications, and a recent photograph (passport size preferred).

In addition, applicants for admission to graduate standing are strongly urged, and may be required, to submit a record of attainment in the Graduate Record Examination as prepared and administered by the Carnegie Foundation for the Advancement of Teaching. This examination tests general knowledge in the field of study covered by the curriculum of the liberal arts college, and requires no special preparation. It is useful as an additional measure of the student's ability, as well as an aid in planning his course of study. Information may be obtained and convenient arrangements for taking the test may be made by direct application to the Graduate



Record Examination, 437 West 59th St., New York 19, N. Y. There is a moderate fee (\$3.00).

*Admission.* In granting admission, the Graduate Board may, with the advice of the department, prescribe a minimum period of residence, never less than one year, and other definite requirements, including courses in particular subjects, as prerequisites for a graduate degree. Admission to the graduate school does not in any way imply admission to candidacy for a degree. Admission to the graduate school is granted for entry only at the specified time, and lapses if the student fails to enter at that time. If, after an applicant has entered as a regular student, his period of graduate study is broken by more than a year, he must make formal application for re-instatement.

*Undergraduates and non-graduate special students in graduate courses.* Admission of other than regular or special graduate students to a course "Primarily for Graduate Students" may be authorized by the Secretary of the Graduate Board on formal recommendation in each case by the department in which the course is offered.

#### SCHOLARSHIPS, FELLOWSHIPS AND STUDENT AID

Certain scholarships and fellowships are available for prospective candidates for the degrees of Master of Arts and Doctor of Philosophy in this university. Information concerning these may be obtained from, and application should be made to, the chairman of the department in which the applicant expects to do his major work. Applications endorsed by the departments will be considered by the Committee on Credentials for recommendation to the Graduate Board.

Assistantships are available in certain departments, appointments usually being made from the list of fellows. Application should be made to the departmental chairman.

Student aid is available from certain funds, including the Alumni Loan Fund. These loans bear interest at 4 per cent per annum.

More detailed information may be obtained from the Secretary of the Graduate Board or from chairmen of graduate departments.

#### RESIDENCE

A regular year of full-time study or its specified equivalent in residence at Clark University is a prerequisite for any degree. Residence work is broadly defined as regular work at Clark University done under the immediate personal supervision of at least one member of the university faculty. A field trip led by a member of the university faculty who is regularly engaged in graduate instruction is considered to provide opportunity for work in residence to a maximum amount of nine weeks.

Only the following are recognized as equivalents to a regular academic year:

*For the degree of Master of Arts*, one full semester of the regular academic year and the equivalent of eighteen other weeks on a full-time program of graduate work approved by the major department.

A student admitted to full graduate standing may satisfy the minimum residence requirement for the master's degree by attending, at Clark University, five summer sessions of six weeks each, and taking a normal program made up exclusively of graduate courses approved by his major department.

The residence requirement may also be fulfilled in two full twelve-week terms and one six-week session, or by some other allotment of time providing a minimum of thirty weeks in courses of graduate grade.

A normal program during the summer term consists of two regular courses in addition to any departmental seminars.

*For the degree of Doctor of Philosophy*, a sufficient number of courses taken during the regular academic year, even if spread over a number of years.

During the war emergency a twelve weeks' summer term is being conducted as part of the regular academic year. While this continues, a student may, with his department's approval, receive a semester's residence credit for one such term.

#### THE DEGREE OF MASTER OF ARTS

Application for admission to candidacy should be filed with the secretary of the Graduate Board not later than the first week of the last full term which the student expects to spend in residence as a candidate. Applications will be considered by the Graduate Board when the student has:

1. Completed one term of full time graduate work or its equivalent in residence at this university;
2. Paid the diploma fee (\$10) and publication fee (\$10); and
3. Obtained the written endorsement of his major department.

Each student must meet a minimum course requirement of 18 semester hours in courses approved by his major department. Each candidate must make a satisfactory record in such written examinations as may be required by the major department, and in a final oral examination by a committee of three or more, two of whom shall be members of the Graduate Board. The candidate must submit to his major department, not later than two weeks before he expects to be awarded the degree, a thesis written under direction on an approved topic in his field of study. The thesis must be accompanied by an abstract not exceeding 600 words in length.

## THE DEGREE OF DOCTOR OF PHILOSOPHY

Only such candidates as give evidence of general proficiency, power of investigation and high attainments in the special field in which their major subjects lie will be encouraged to proceed to the degree of Doctor of Philosophy.

*Admission to Candidacy.* Applications for admission to candidacy must be filed not later than November first, in any academic year, by students who hope to receive the degree at the end of that academic year.

An application for admission to candidacy for the degree of Doctor of Philosophy will be considered by the Graduate Board when the applicant has:

1. Completed two full academic years of graduate work or its equivalent;
2. Passed examinations in at least two foreign languages. French and German are required except in cases where the Graduate Board may authorize the substitution of another language for one of these;
3. Passed a preliminary examination in his chosen fields of study;
4. Paid the diploma and publication fees (\$25 and \$15);
5. Obtained the written endorsement of his major department.

Admission to candidacy for the degree of Doctor of Philosophy holds good only for three years from the date of the vote granting admission to candidacy. When candidacy expires without the degree having been awarded, the diploma and publication fees, less any expenses incurred, are returned.

*Dissertation.* For the degree of Doctor of Philosophy an indispensable requirement is a dissertation upon an approved subject, to which it must be an original contribution of value.

Not later than May 1, the dissertation, with an abstract not exceeding 1,200 words in length, must be presented to the instructor under whose direction it is written.

The dissertation and abstract must be accepted by the chief instructor before the final examination may be held. The dissertation must be laid before the examining committee at the time of examination, with the comments of the chief instructor and other readers.

A complete copy of the dissertation and two copies of the abstract, each bearing the approval of the chief instructor over his signature, must be delivered by the department to the Recorder not later than 9 A.M. of the Thursday preceding commencement. The dissertation and one copy of the abstract will be deposited by the Recorder in the library, where they remain permanently.

A second copy of the dissertation, accompanied by a copy of the

abstract must be delivered to the department or to the library for loan purposes.

*Final Examination.* The final examination is oral and lasts for at least two hours; additional written examinations may be given if the major department so directs. The candidate is expected to defend his dissertation and, at the discretion of the examining committee, may be questioned on the entire special field of his study. The oral examination is conducted by a committee of at least four members, including the chairman and one other member of the major department, a member of the Graduate Board under whom the candidate has done no work, and such other members of the Graduate Board as are appointed. The President of the university is authorized to invite any person from within or without the university to be present and to assist in the examination.



## The Graduate School of Geography

WALLACE W. ATWOOD, PH.D., Professor of Physical and Regional Geography and Director of the Graduate School of Geography.

W. ELMER EKBLAW, PH.D., Professor of Geography, Assistant Editor, *Economic Geography*.

SAMUEL VAN VALKENBURG, PH.D., Professor of Geography.

HENRY J. WARMAN, ED.M., Assistant Professor of Geography.

GUY H. BURNHAM, A.M., Cartographer.

HELEN H. BALK, A.M., Assistant in Map Interpretation.

*The staff is curtailed by the absence of members who are engaged in activities connected with the war.*

The Graduate School of Geography gives opportunity to properly qualified students to secure advanced training in geography. The staff is composed of specialists in the various fields of geography. They must of necessity spend a portion of their time in travel and in field studies, but while in residence, they offer regular courses of instruction and direct advanced students in research work. It is not the intention to offer all courses of instruction each year; many of them are given once in two years. Abundant instruction is provided, but graduate students are advised not to burden themselves by attending too many courses. They must depend very largely for growth upon their individual efforts in research, under the direction of members of the staff. The map collection, libraries and special laboratories for cartography and the interpretation of aerial photographs provide unusual facilities for research work in residence. All graduate students are encouraged to undertake independent field studies before completing their university work.

### GEOGRAPHY COURSES FOR COLLEGE STUDENTS

Undergraduates planning to major in geography or to go into graduate work in geography are urged to consult the geography staff early in their undergraduate course, so that suitable programs may be mapped out including essential courses in related fields.

Students majoring in geography are required to take seven year-courses, or the equivalent, in geography and related fields. At least four and not more than five of these courses must be in geography. The courses required in geography include: 10a, 10b—usually taken in the freshman year; 15b, 16a, 181b, 185a and Geology 12—usually taken in the sophomore or junior years. Other courses which may be taken to complete the major requirements are: in geography, 26,

12a, 17a, 17b, 100b; and in related fields, Biology 11, 12, Physics 11, Economics 11, History 18.

Students majoring in geography may, by special permission, elect in their third and fourth years advanced courses offered in the Graduate School of Geography.

#### GRADUATE WORK IN THE SCHOOL OF GEOGRAPHY

Work is offered leading to the degrees of Master of Arts and Doctor of Philosophy. For the master's degree two years may be required for those whose preparation is considered to be insufficient to permit them to qualify in the minimum time.

A distinctive feature of the work in the Graduate School of Geography is the autumn field camp of three weeks' duration at the beginning of the fall term. The field program includes studies in physiography, land utilization, industrial geography and weather observations, with special training in mapping and other field techniques. Cars, camp trailers, scientific instruments and other equipment are provided. Suitable field clothing and blankets must be provided by the individual student. All prospective candidates for graduate degrees in geography who are in residence are expected to attend the field camp each autumn. Following the return to the campus, about ten days are allowed for the completion of field reports. Formal course work begins on the second Monday after the close of the field camp.

Formal course work in geography ends in the spring about May 1st, leaving students free to read and to coördinate their work prior to the examination period.

Candidates for the master's degree are expected to pass written examinations in at least six of the following fields: physiography, climatology, soils and land utilization, plant geography, economic geography, human geography and cultural geography, regional geography, and political geography. The oral examination for the master's degree covers four fields approved by the Staff.

Candidates for the doctor's degree in geography are expected to pass written examinations in the above fields, and a general oral examination covering six major fields approved by the staff. In general, a year of work beyond the master's degree should prepare a candidate for the general examination preliminary to his acceptance as a candidate for the doctor's degree and to his concentration work for his dissertation. This year of course work may well include, besides certain advanced courses in geography, related advanced studies in biology, economics, history and international relations as follows: botany (Biol. 14); economic history (Ec. 14); economic statistics (Ec. 16); international trade; theory and finance (Ec. 27a); international economic policies (Ec. 31); The Pacific and the Far East (Hist. 22).

## STUDENTS' FEES

All geography students in residence must pay the camp fee, workroom fee, and classroom materials fee.

The camp fee, determined on a cost basis, varies between \$50 and \$75 and is payable to the camp director on or before the first day of the camp. The tuition fee, for a student participating in the field course only, is \$25. The camp fee covers board and lodging, transportation, maps, drafting supplies and the use of meteorological instruments and other equipment for the three weeks' period.

The workroom fee, \$5 a semester, is payable November 1st and March 1st to the department. It helps to maintain the geography workroom and the equipment used by graduate students:—alcove desks, files of maps, card catalogue, drafting tables and instruments, and adding machines.

The classroom fee, \$5 a semester, is payable November 1st and March 1st to the department. It is for mimeographing and for the maintenance, in part, of the classroom wall maps and other equipment and for the expense of balloons, hydrogen, and meteorological instruments.

## COURSES PRIMARILY FOR UNDERGRADUATES

During the war emergency, the courses listed will be offered as needs and demands warrant.

**10a. The Principles of Geography.** An introductory course dealing primarily with the physical phases of geography.

Omitted, 1943-44.

**10b. Introduction to Regional Geography.** Application of the principles of geography to the study of selected regions throughout the world.

Omitted, 1943-44.

**12b. Meteorology.** Elements of meteorology with practical exercises.

Omitted, 1943-44.

**16a. Political Geography.** Study of principles with special reference to current events.

Omitted, 1943-44.

**100b. Military Geography.** Laboratory course. Interpretation of military maps, charts, and aerial photographs.

Omitted, 1943-44.

**126. Economic Geography.** An analysis of the occupations of economic geography—hunting, fishing, forest industries, grazing,

farming, mining, manufacturing, transportation and trade. Pre-requisites, Geography 10a, 10b, 12b, and Geology 12.

Three hours, through the year. Tu. Th. S., 10.

MR. WARMAN

**137a, b. Human Geography.**

First and second terms. M. W. F., 11.

MR. EKBLAW

**137c. Cultural Geography.**

Third term. M. W. F., 11.

MR. EKBLAW

**181b. Geography of North America.** A systematic regional treatment of the physical, economic, and cultural geography of North America.

Omitted, 1943-44.

**185a. Geography of Europe.** Geographical survey of the European continent and the individual countries.

Omitted, 1943-44.

**191. Cartography and Graphics.** A study of graphic methods and maps with especial emphasis upon map projections.

Through the year. M. W. F., 11.

MR. BURNHAM

COURSES FOR ADVANCED UNDERGRADUATES  
AND GRADUATE STUDENTS

During the war emergency, the courses listed will be offered as needs and demands warrant.

**201b. Geography of Asia.** General study of the continent and more detailed study of selected regions.

Omitted, 1943-44.

**202a. Political Geography.** Application of principles of political geography on selected problems of recent significance.

Omitted, 1943-44.

**215. Geography of the War.**

Two hours, through the year. Tu. Th., 1. MR. VAN VALKENBURG

COURSES EXCLUSIVELY FOR GRADUATE STUDENTS

During the war emergency, the courses listed will be offered as needs and demands warrant.

**30. Regional Physiography of North America.** The evolution of landforms in the major physiographic provinces. Laboratory in map interpretation.

Two hours of lectures and two hours in the laboratory weekly.

Tu. Th., 11.

MR. ATWOOD



**32. Regional Climatology.** A study of the climates of the world. Prerequisite, Geography 12b or equivalent.

Two hours, through the year. M. W., 1. MR. VAN VALKENBURG

**33. Soil Geography**, first semester; **Land Utilization and Planning**, second semester.

Omitted, 1943-44.

MR. EKBLAW

**34. Biogeography**, first semester; **Life Zones and Regions**, second semester.

First semester: Geographic significance of character, function, distribution, and relationships of plant and animal forms and societies in their adjustments to factors and habitat.

Second semester: Major life zones, plant associations, and animal societies, regionally, considered in relation to the elements of climate and terrain; and their effect on man's activities.

Prerequisite, Geography 34a.

Two hours, through the year. M. W., 9.

MR. EKBLAW

**37. Human Geography**, first semester; **Cultural Geography**, second semester.

First semester: Considers influence and effect of location, area, relief, coastline, drainage systems, climate, and other geographic factors, separately and in their mutual interaction upon the economic, social, and political development of peoples and states.

Second semester: Summarizes the role that geographic factors have played in evolution of races and cultures, artifacts and institutions.

Prerequisites, nine hours of geography or history and permission of the instructor.

Juniors of superior standing and seniors may be accepted, by special permission.

Two hours, through the year. M. W., 2.

MR. EKBLAW

**375b. Geography of Europe.** General study of the continent and more detailed study of selected regions.

Omitted, 1943-44.

**383b. Caribbean America.**

Omitted, 1943-44.

**384a. South America.**

Omitted, 1943-44.

**300. Problems in Geography.** Tu., 3.30. PRESIDENT ATWOOD

**301. General Seminar.**

STAFF

**302. Seminar for Ph.D. Candidates.** F., 2

STAFF

- |      |  |                    |
|------|--|--------------------|
| 310. | Research in Regional Physiography.                         | MR. ATWOOD         |
| 320. | Research in Climatology.                                   | MR. VAN VALKENBURG |
| 330. | Research in Soils.   | MR. EKBLAW         |
| 340. | Research in Plant Geography.                               | MR. EKBLAW         |
| 350. | Research in Agricultural Geography or<br>Land Utilization. | MR. EKBLAW         |
| 360. | Research in Economic Geography.                            |                    |
| 370. | Research in Human Geography.                               | MR. EKBLAW         |
| 380. | Research in Regional Geography.                            |                    |

394a. **Field Methods and Studies.** Two or three weeks at the opening of the school year. Connecticut Valley, 1925 to 1930 inclusive; Cape Cod, 1931; Connecticut Valley, 1932 to 1933; Blackstone Valley, 1935; upper Housatonic Valley, 1936; Central Highlands of Massachusetts, 1937; omitted in 1938 because of hurricane; lower Merrimac Valley, 1939; Connecticut Valley, Springfield region, 1940; Connecticut Valley, Northampton-Holyoke region, 1941; Sutton area, Mass., 1942.

Required each year of all candidates for graduate degrees in geography.

This course was omitted in 1943 but will be resumed as soon as practicable.

# The Graduate Division of International Affairs

## GEOGRAPHY, DIPLOMACY, ECONOMICS

WALLACE W. ATWOOD, President of the University and Director of the Graduate School of Geography.

SAMUEL J. BRANDENBURG, Professor of Economics and Sociology.

H. DONALDSON JORDAN, Professor of English History.

DWIGHT E. LEE, Professor of Modern European History.

SAMUEL VAN VALKENBURG, Professor of Geography.

PAUL FISHER, Assistant Professor of Economics and Sociology.

### DIVISIONAL COMMITTEE

SAMUEL J. BRANDENBURG

DWIGHT E. LEE

SAMUEL VAN VALKENBURG

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The Graduate Division of International Affairs aims to meet a demand for graduate work which will be devoted entirely to the general field of international affairs and which will include work in geography, history and international relations, and economics and sociology. This division groups together appropriate courses and seminars in order to prepare graduate students for the government service of the United States, college and university professorships in international affairs, posts in corporations and banks doing foreign business, and research and administrative positions in the field of world affairs. The courses include offerings in political, regional and economic geography; foreign trade, commerce, and finance; international law; modern and diplomatic history of Europe, Asia, and Latin America; and the foreign policy and international relations of the United States.

### THE DEGREE OF MASTER OF ARTS

Qualified graduate students, including those registered in any one of the three coöperating departments, may apply for permission to take work leading to the master's degree in international affairs. The Divisional Committee will pass upon the adequacy of each candidate's preparation and on his program of studies for the degree.

A knowledge of the fundamentals of political and economic geography, of economics, and of international relations will be required of each candidate, whether or not courses in these subjects are taken during the period in residence for the degree. Each candidate must present courses from at least two of the coöperating departments.

## THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates for the degree of Doctor of Philosophy in International Affairs must meet all general requirements of the University for this degree. The six "fields" presented for the preliminary doctoral examination must be approved by the Divisional Committee. One field at least must be chosen from each of the three departments, and no more than three fields may be taken in any one department.

## THESES AND DISSERTATIONS

Subjects selected for theses and dissertations in the Division of International Affairs must deal with some aspect of international affairs and receive the approval of the Divisional Committee. Each thesis or dissertation will be written under the supervision of the member of the staff within whose special field the research lies.

## SCHOLARSHIPS AND FELLOWSHIPS

A limited number of graduate scholarships and fellowships are available for students of high rank in the Division of International Affairs.

## ADMISSION

A student who wishes to enter the Division of International Affairs and undertake a plan of study leading to a degree should communicate with some member of the Divisional Committee.

COURSES WHICH MAY BE TAKEN FOR CREDIT IN THE  
DIVISION OF INTERNATIONAL AFFAIRS

Due to the war emergency it is impossible to indicate beforehand the courses to be offered, but the training in this division will be carried on by suitable courses and conferences.



## Departmental Announcements

The unit of instruction for undergraduates is a "course." A "course" normally meets for classroom or laboratory exercises three or four times weekly throughout the regular "academic year" (September to June) and constitutes one-fifth of a normal program for an undergraduate.

In the summer term five sixty-minute periods weekly for twelve weeks are devoted to each "course."

*Each unit of undergraduate instruction as listed below constitutes one "course" unless its value as a fractional course or a multiple course is indicated.*

Advanced courses, not primarily for undergraduates, are announced with a statement of the number of weekly meetings. Undergraduates who are permitted to enroll in such courses should carefully check with the Recorder to avoid any misunderstanding in regard to the equivalent number of "courses" represented by their programs.

Courses offered by the several departments are listed under three headings:

1. PRIMARILY FOR UNDERGRADUATES, designated by numbers beginning with the figure (1).
2. FOR ADVANCED UNDERGRADUATES AND GRADUATE STUDENTS, designated by numbers beginning with the figure (2).
3. PRIMARILY FOR GRADUATE STUDENTS, designated by numbers beginning with the figure (3).

Fractional credit is given for the satisfactory completion of one or two terms of work in any course unless a department, by a note following the description of a course, reserves the right to withhold credit until the entire course is satisfactorily completed.

With the consent of the instructor, a course may be entered at the beginning of any term, by students who are prepared to take up the work of the course at that time.

### DEPARTMENT OF ANCIENT LANGUAGES

#### PROFESSOR BRACKETT

The courses offered in this department fall into two groups: (1) courses which involve a knowledge of the Greek or Latin language; (2) courses dealing with important aspects of Greek or Roman civilization (history, literature, art, etc.), in which knowledge of the language is not required.

In regard to Latin, the department seeks to meet the problem created by the lack of uniformity among entering freshmen in the amount of time devoted to Latin in the secondary school. Provision

is made for three groups: (1) For those without previous study of Latin, a course in elementary Latin is given from time to time, in accordance with the demand. (2) Students who have entrance credit for two years of Latin may enter Latin 13a. Completion of this course prepares a student to enter Latin 15. (3) Students who present credit for either three or four years of Latin may enter Latin 15.

As to Greek, students presenting one year of Greek may elect Greek 13; those presenting two years may elect Greek 15a.

A student desiring to take his major in Greek and Latin should consult the instructor.

## GREEK

### COURSES PRIMARILY FOR UNDERGRADUATES

#### *Courses requiring knowledge of the language*

**11. Elementary Greek.** The elements of Greek grammar—forms, syntax, and vocabulary; part of Book I of Xenophon's *Anabasis*. Indivisible course.

Open to freshmen.

Through the year. M. W. F., 9.

MR. BRACKETT

**13. Xenophon, *Anabasis*; Homer, *Iliad*.**

Open to freshmen.

Through the year.

Omitted, 1943-44.

**15a. Greek Tragedy; Euripides, *Medea*; Sophocles, *Antigone*.**

Omitted, 1943-44.

**16b. Plato, the *Apology* and selections from the *Phaedo*; or, Demosthenes, *On the Crown*.**

Omitted, 1943-44.

#### *Courses given in English*

**121c. Greek Tragedy;** the seven plays of Aeschylus; general introduction to the principles of drama and tragedy.

Third term. Tu. Th. S., 11.

MR. BRACKETT

**122b. Greek Tragedy;** selected plays of Sophocles and Euripides.

Omitted, 1943-44.

**123a, b. Greek Civilization.** On the basis of a brief outline of the narrative history of Greece to the Roman conquest, those elements of the civilization are emphasized which have made the most valuable and permanent contributions to Western civilization.

First and second terms. Tu. Th., S., 11.

MR. BRACKETT

## LATIN

*Courses requiring a knowledge of the language*

**11. Elementary Latin:** selections from Caesar, *de Bello Gallico*. Indivisible course.

Open to freshmen.

Omitted, 1943-44.

**13a. Cicero, *Pro Lege Manilia* and *Pro Archia*.** The principal aims of this course are: (1) to increase the students' ability to read Latin; and (2) to understand and appreciate the form and the content of these two masterpieces of prose writing. Prerequisite, Latin 11, or two years of Latin for admission, or written consent of instructor.

Omitted, 1943-44.

**14b. Vergil,** selections from the *Aeneid*, The attempt is made through the reading of selections from Books 1, 2, and 4, to introduce the students to this masterpiece of epic poetry. Prerequisite, Latin 13a, or its equivalent.

Omitted, 1943-44.

**15. Cicero,** selections from the *Letters*; **Catullus,** selections; **Horace,** selections from the Epodes and Odes. The major emphasis is placed on an understanding and appreciation of these two of the four great poets of Rome. Prerequisite, Latin 14b, or three or four years of high school Latin.

Through the year. M. W. F., 11.

MR. BRACKETT

**17a.** Selections from **Lucretius, *de Rerum Natura*.**

Omitted, 1943-44.

## DEPARTMENT OF BIOLOGY

PROFESSOR POTTER, *Chairman of Work in Zoölogy and Botany*

ASSISTANT PROFESSOR NUNNEMACHER

VISITING PROFESSOR PINCUS

*Research Associates*

DOCTORS ALAN MATHER, WILLIAM PEARLMAN

*The staff of the department is curtailed by the absence of members who are engaged in activities connected with the war.*

The biological laboratories are well equipped for the courses offered and contain special equipment for advanced investigations. Funds are available annually for the purchase and building of apparatus which may be required. The university library contains complete

files of the more important periodicals and reference works. Certain assistantships, fellowships and scholarships are available from time to time.

#### UNDERGRADUATE WORK

Biology 11 presents a comprehensive view which is prerequisite to all other courses in the department.

An undergraduate majoring in biology is expected to complete at least Biology 11 and three advanced courses in biology, Chemistry 11, Physics 11, Mathematics 10 or 11, French or German to an amount sufficient for a good reading knowledge, and at least one additional course in chemistry or physics.

A candidate for honors in biology should also take Biology 14.

#### GRADUATE WORK

Students whose records are approved by the department may be admitted by the Graduate Board for work leading to the degrees of Master of Arts and Doctor of Philosophy. The analysis of fundamental activities of living organisms is undertaken upon the basis of physiochemical principles. For this reason some foundation in physics, chemistry and mathematics as well as biology is essential for advanced work. Certain courses in physics, chemistry, mathematics and psychology may be credited in the Department of Biology.

#### WORK IN PHYSIOLOGY

General physiology is concerned primarily with physiochemical determinants of living processes. For this reason certain prerequisites are necessary for its study. Undergraduate enrollment is limited to those, usually seniors but occasionally juniors, who have had an adequate background in biology and in the physical sciences. Physiology 200 is recommended for premedical students and for other majors in biology and chemistry since it attempts to integrate a broad field of experimental science in terms of the functioning of living systems.

Through generous research grants from foundations, pharmaceutical houses and individuals, a program of research in two main lines of physiology is in progress: (a) nerve physiology, and (b) endocrine physiology. Both of these researches, in their clinical aspects, involve close coöperation with several of the Worcester hospitals.

In addition to course work in physiology, graduate students majoring in this field are expected to take certain recommended courses in physics, chemistry, and psychology. Approximately forty per cent of the course work for the doctor's degree in general physiology is usually done in related departments, and members of these related



departments assist the biology staff in the final examinations. Candidates for the doctor's degree are also expected to take a summer course in mammalian physiology. The Harvard Medical School gives an especially suitable course of this kind.

Owing to the national emergency and the fact that the physiological laboratory is engaged exclusively in government-sponsored research, only a small number of especially well-qualified graduate students can be accepted for work in physiology.

#### COURSES PRIMARILY FOR UNDERGRADUATES

**11. General Biology.** An introduction to the fundamental principles and problems of biology. Divisible course upon approval by the department.

Open to freshmen.

Through the year. M. W. F., 9; M., 2.

MR. POTTER AND MR. NUNNEMACHER

**12. Comparative Anatomy.** A study of the morphology of the vertebrates from a comparative standpoint which traces the evolution of animals from fish to mammals. Lectures and laboratory work.

Through the year. Tu. F., 2.

MR. NUNNEMACHER

**13. Seminar in General Biology.** Credit is not given for this course. All students in the department are invited to attend and to participate.

STAFF OF THE DEPARTMENT

**14. Botany.** First semester, morphology and taxonomy of the lower plants. Special emphasis is given to the algae and fungi.

Second semester, systematic botany of the higher plants with special emphasis on our local flora. A collection of one hundred plants is required, also a spring field trip of at least three days' duration.

Each semester of the course may be elected separately.

Prerequisite, Biology 11, first semester.

Through the year. Tu. Th. S., 11; Th. 2.

MR. POTTER

**15b. Invertebrate Zoology.** A detailed study of the structure, life history, habits, and distribution of invertebrate types. Two lectures and two laboratory periods per week.

Omitted, 1943-44.

**16c. Histology.** A comprehensive course dealing with tissue structure. Emphasis is placed on the study of mammalian tissues. Two lectures and two laboratory periods per week.

Third term.

MR. NUNNEMACHER

**17b. Embryology.** A consideration of the fundamentals of embryology. Two lectures and two laboratory periods per week.

Second term. M. W. F., 8.

MR. NUNNEMACHER

**18a. Genetics.** An introduction to the principles of genetics.  
First term. MR. POTTER

**140c. Advanced Systematic Botany.** Prerequisites, Biology 11, first semester and Biology 14, second semester.  
Third term. MR. POTTER

**141b. Economic Botany.** A study of the world's commercial plant products.  
Omitted, 1943-44.

**142b. Entomology.** An introduction to the study of insects.  
Omitted, 1943-44.

**143. Forestry.** An introduction to the study of forestry.  
Through the year.  
Omitted, 1943-44.

**144c. Bacteriology.** An introduction to the study of bacteriology.  
Third term. MR. POTTER

**151b. Parasitology.** An introduction to the parasitic mode of life of the protozoa, helminthes, and arthropoda and their relation to mankind.  
Second term. MR. POTTER AND MR. NUNNEMACHER

#### COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATE STUDENTS

**200. General Physiology.** Open to students who satisfy the instructor as to their preparation. The principal types of functioning characteristic of living organisms are considered in the light of their physiochemical determinants.

Through the year. Tu. Th., 11 and two laboratory periods.

Omitted, 1943-44. MR. HOAGLAND

**203. Special Problems.** Advanced semi-independent study of an approved topic under the direction of a member of the staff.

Hours and credit to be arranged. STAFF OF THE DEPARTMENT

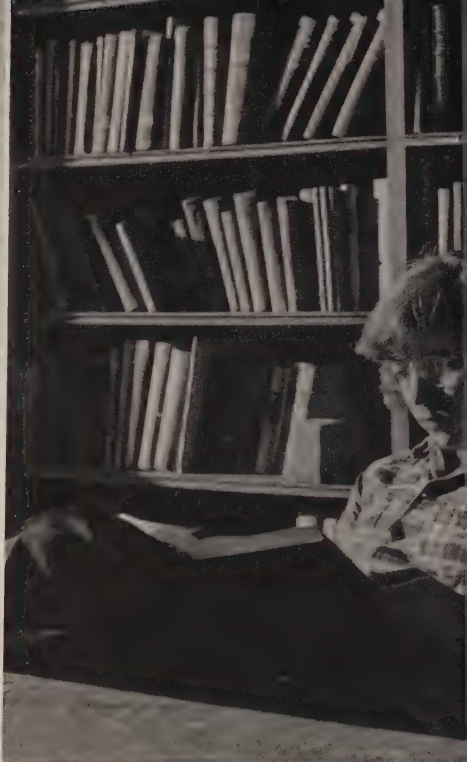
**204. Physiology of the Nervous System (Seminar).** A study of nerve action potentials, synaptic transmission, reflex action and the functions of higher brain centers. Open to students who satisfy the instructor as to their preparation.

Through the year. Hours to be arranged. MR. HOAGLAND

Omitted, 1943-44. This course alternates with 303.









**210a. Neuro-anatomy.** An introductory study of the form and function of the human central nervous system. Biology 12 recommended as a prerequisite.

First term.

Mr. NUNNEMACHER

#### COURSES PRIMARILY FOR GRADUATE STUDENTS

**303. Biophysics.** Principles of physics and physical chemistry in relation to physiological mechanisms. Open to students who satisfy the instructor as to their preparation. Physiology 200 should precede 303. In special cases it may be taken concurrently with 303.

Through the year. Hours to be arranged. Mr. HOAGLAND  
Omitted, 1943-44. This course alternates with 204.

**304. Seminar in Experimental Physiology.** Credit is not given for this course but all graduate students are expected to participate in the regular weekly meetings. The seminar is largely conducted by the research staff of the department and by invited speakers.

Omitted, 1943-44. STAFF OF THE DEPARTMENT

**308. Research in Physiology.**

Credit to be arranged

Mr. HOAGLAND

**309. Research in Botany.**

Credit to be arranged.

Mr. POTTER

**310. Research in Zoology.**

Credit to be arranged.

Mr. NUNNEMACHER

Courses in other departments especially recommended for graduate students in physiology who have the suitable prerequisites are Physics 14 and 23, Chemistry 19 and 32, and Psychology 320a.

#### DEPARTMENT OF CHEMISTRY

PROFESSOR MERIGOLD, PROFESSOR BULLOCK, ASSISTANT PROFESSOR MARTELL

Courses in chemistry fall into two groups:

First, those primarily for undergraduates. These furnish a foundation for professional work in chemistry or medicine, and are suitable for students desiring some knowledge of the subject as part of their general education.

Second, those primarily for graduate students.

#### UNDERGRADUATE WORK

Students who intend to become professional chemists or to study for an advanced degree in chemistry should *major* in chemistry and take at least two years' work in physics.

They are advised to conform as closely as possible to the schedule given below.

*First year:* Chemistry 10 or 11; Mathematics 10 or 11; English 11; one course in "division B" and foreign language.

*Second year:* Chemistry 12a, 13b, and 14; Physics 11; Mathematics 12; and a continuation of work in foreign language.

*Third year:* Chemistry 15, 110 and 19; and electives.

*Fourth year:* Five courses, chosen from the following: Chemistry 111, 212b, 214, 215, 233; Physics 14 and 15; an elective. A choice, with reference to future work, should be made after consultation with the chemistry staff.

Chemistry 19 is required of all "chemistry majors." Premedical students who cannot take course 19 should major in biology and take as much chemistry as possible. Chemistry 19 is essential for work in physiology.

Two years of mathematics are required preparation for Chemistry 19 and for graduate work in chemistry. The same amount of mathematics is required for all who elect chemistry as a "major," and for all who expect to become professional chemists.

For professional work in chemistry, at least one year of graduate study is highly desirable.

Students who intend to enter the field of secondary education should acquaint themselves with the requirements in "education" of state and local licensing boards and prepare to meet these requirements. This may necessitate the omission of certain courses in chemistry scheduled for the third and fourth years.

Students who intend to study medicine should elect course 10 or 11, 12, 15 and 110 which are required for admission to practically all "class A" medical schools. Courses 13 and 14 are strongly recommended if time allows.

Attention is called to laboratory fees and breakage deposits listed under the general heading "Laboratory Fees and Deposits."

#### GRADUATE WORK

The Department of Chemistry provides graduate students with training in the fundamental principles of chemistry sufficiently broad to prepare them adequately for a scientific career.

Requirements for advanced degrees cannot be met merely by pursuing a course of studies or by carrying on an investigation. Hence no definite course of graduate studies is outlined. Ordinarily, completion of the undergraduate program outlined above will be a prerequisite for graduate work in chemistry.

All graduate students are required to have an adequate reading knowledge of French and German. This requirement applies to candidates for either the master's degree or the doctor's degree.

Students registered for advanced degrees are expected to spend not less than eighteen hours per week in the laboratory. This may include special laboratory work in organic, inorganic, and physical chemistry.

Graduate scholarships and fellowships are available to students in this department.

#### COURSES PRIMARILY FOR UNDERGRADUATES

**10. Elementary Chemistry.** Intended primarily for students who have not previously studied chemistry. Equivalent to course 11 as preparation for advanced courses.

Indivisible course.

Open only to those freshmen who have not studied chemistry in high school.

Through the year.

Omitted, 1943-44.

**11. General Chemistry.** Chiefly inorganic. Systematic study of the elements and their principal compounds, and the fundamental laws and theories of chemistry. Three lectures and six hours of laboratory work per week. Divisible only by consent of instructor.

Open to freshmen who have studied chemistry in high school.

Through the year. M. W. F., 11; M. 2.

MR. MERIGOLD

NOTE: Beginning September 1944, the university will return to the two-semester plan for the regular academic year.

**12a. Qualitative Analysis.** Chiefly laboratory work, nine hours per week. Occasional lectures and recitations. Prerequisite, course 11 or its equivalent.

Half course. Tu. F., 2.

MR. BULLOCK

**13b. Introduction to Physical Chemistry.** A study of the use of chemical principles in working out practical problems, including the study of gases, solutions, thermochemistry and homogeneous equilibrium.

Half course. Tu. Th. F., 12.

MR. MARTELL

**14. Quantitative Analysis.** Chiefly laboratory work, with occasional lectures, recitations, and problems. Six hours of laboratory work, and one lecture per week. Prerequisite, course 13.

Divisible for premedical students. The complete course is required for a "major" in chemistry.

Through the year. Tu. Th., 3:30.

MR. MERIGOLD

**15. Elementary Organic Chemistry.** Lectures on the funda-

mental principles of organic chemistry. Prerequisite, a grade C— or better in course 11, or its equivalent.

Through the year. M. W. F., 9.

MR. BULLOCK

**19. Physical Chemistry.** Principles of physical chemistry including atomic and molecular structure, gases, liquids, solutions, crystalline solids, chemical thermodynamics, homogeneous and heterogeneous equilibria, electrolytic conductance, electrode potentials, electrolysis and polarization, colloids.

Three hours of lectures and four hours of laboratory per week. Prerequisites, Chemistry 13b, 14, Mathematics 12, Physics 11.

*A required course for Chemistry Majors.*

Through the year. Tu. Th., 10; Tu. F., 2.

MR. MARTELL

**110. Organic Synthesis.** Laboratory work in the preparation of typical organic compounds. Course 110 should be taken, if possible, in connection with course 15. Four and one-half hours of laboratory work per week. Open only to students who take or have taken courses 12, 14 and 15.

Half course, continuing through the year. Th. 2. MR. BULLOCK

**111. Detection and Analysis of Organic Compounds.** Chiefly laboratory work. Open to students who take or have taken Chemistry 110.

This course may be taken throughout the year four and one-half hours per week to supplement Chemistry 19 or 110, or 9 hours per week during the second semester.

Half course, continuing through the year. M., 2. MR. BULLOCK  
Omitted, 1943-44.

#### COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATE STUDENTS

**212b. History of Chemistry.** Outline of the historical development of the science, and the relation of chemistry to other sciences at various periods of development. Lectures, collateral reading, reports and thesis. Open to graduate students and seniors who take or have taken Chemistry 15 and 19 or equivalent courses. Required for advanced degrees in chemistry.

Omitted, 1943-44.

**214. Advanced Quantitative Analysis** (including gas analysis). Prerequisite, course 14. Lectures and laboratory work, nine hours per week.

Through the year. Tu. Th., 2.

MR. MERIGOLD

Given in the first term only, 1943-44.



**215. Honor Course.** Primarily for candidates for "honors in chemistry."  
STAFF OF THE DEPARTMENT

**216. Inorganic and Organic Synthesis.** Preparation of pure materials. Chiefly laboratory work.  
Through the year. MR. BULLOCK AND MR. MARTELL

**233b. Physical Organic Chemistry.** Lectures on the physical aspects of organic chemistry.  
Omitted, 1943-44.

COURSES PRIMARILY FOR GRADUATE STUDENTS

**31. Nature of the Chemical Bond and Colloid Chemistry.**  
Two hours, through the year. MR. BULLOCK AND MR. MARTELL

**321. Advanced Physical Chemistry.** Lectures on the properties of gases, liquids, solutions and crystalline solids. Relation of physical properties to chemical constitution.  
Two hours, through the year. MR. MARTELL

NOTE: Course 322a terminates and course 322b begins at the middle of the winter term. Together they constitute a full year course.

**322a. Elementary Quantum Mechanics.** Lectures on the principles of quantum and wave mechanics, with applications to electronic theory and interpretation of spectroscopic data.  
Three hours. MR. MARTELL  
Omitted 1943-44. To be offered in 1944-45.

**322b. Chemical Thermodynamics.** Lectures on the principles of thermodynamics, with applications to a wide variety of chemical phenomena.  
Three hours. MR. MARTELL  
Omitted 1943-44. To be offered in 1944-45.

**33. Advanced Organic Chemistry.** Lectures on selected subjects in organic chemistry.  
Two hours, through the year. MR. BULLOCK

**34. Advanced Inorganic Chemistry.** Lectures on selected topics in inorganic chemistry.  
Two hours, through the year. Tu. Th., 9. MR. MERIGOLD

**35. Seminar.** Staff and graduate students. Reports on research work being carried on in the laboratory and reports and discussions of recently published work in related fields.  
Once a week, through the year. W., 4.  
STAFF OF THE DEPARTMENT

- |                                       |              |
|---------------------------------------|--------------|
| 314. Research in Inorganic Chemistry. | MR. MERIGOLD |
| 315. Research in Organic Chemistry.   | MR. BULLOCK  |
| 318. Research in Physical Chemistry.  | MR. MARTEL   |

### DEPARTMENT OF ECONOMICS AND SOCIOLOGY

PROFESSOR BRANDENBURG, ASSISTANT PROFESSOR HARGEST,  
ASSISTANT PROFESSOR FISHER, VISITING LECTURER  
MISS GOLLER AND MISS WEISS

*The staff of the department is curtailed by the absence of members who are engaged in activities connected with the war.*

The first aim of the department, in its undergraduate courses, is to give the student a comprehensive grasp of the underlying principles and functions of our economic and social institutions, and to develop habits of systematic and unbiased thought about these institutions. Some of the courses, however, contribute to the student's preparation for a business or professional career (courses 13, 15a, 22, 26, etc.); others are specifically recommended to students who are candidates for the degree of Bachelor of Business Administration (courses 13, 27a, 211, etc.) Conversely, some students majoring in economics may be advised to elect certain courses offered in the Division of Business Administration (courses 117, 16, 20, etc.).

Economics 11 is a prerequisite to all other courses in economics, with the possible exception of Economic History and is required of all majors in the department. Courses taken outside the department in partial fulfillment of the major requirement should be selected, subject to departmental approval, so as to provide a unified program centering about the student's major interest.

Candidates for departmental honors will engage in a program of independent study consisting of reading and research designed in part to give them specialized training in the fields of their major interest and in part to supplement formal courses. Ordinarily a student will not begin his independent study until the second semester of the junior year, nor will he undertake the equivalent of more than two courses in this manner.

In making elections, students should bear in mind that many advanced courses are offered only in alternating years.

### GRADUATE WORK

Students expecting to enter upon graduate work should have mastered creditably basic courses in economics equivalent to at least

four courses, including Economics 11; those whose preparation is inadequate should expect to remove the deficiency before proceeding to study for a higher degree.

A range of courses sufficient for the needs of candidates for the doctorate is offered in cycles of two or three years. The classification of courses as undergraduate, intermediate, and graduate is necessarily an elastic one. Graduate students electing courses in the undergraduate category will be required to do additional work.

Fellowships, scholarships, assistantships, and other aids are available to a limited number of worthy students.

Attention is directed to closely allied courses offered in geography, history and international relations, and psychology.

## ECONOMICS

### COURSES PRIMARILY FOR UNDERGRADUATES

**11. Principles of Economics.** An introduction to the fundamental economic principles, together with a study of the practical application of these principles to the problems of American life.

Indivisible course.

Through the year. M. W. F., 10.

MR. BRANDENBURG

**12. Industrial and Economic History.**

*First Term.* The development of west European industry and commerce since about 1700 with brief notice of recent developments in Russia and Italy.

*Second and Third Terms.* Industrial and Commercial History of the United States. The period prior to 1860 is studied briefly. Chief attention centers on the rise of the country as an industrial and commercial power: problems of transportation, domestic and foreign trade, tariff policy, currency and finance, industrial combinations.

For freshmen and sophomores only.

Through the year. M. W. F., 9.

MR. BRANDENBURG

**Business Administration 117. Principles of Accounting.**

**13. Money and Banking.** The principles of money and banking with special reference to their functions in the present economy. The theory of value of money, control of the money market and the problem of money and credit in the world economy are given detailed consideration.

Indivisible course.

Through the year. Tu. Th. S., 9.

MR. FISHER

**140a. The American Consumer.** A survey of the growing field of consumer economics. The consumer's budget; his plane of living; private and social control of consumption; consumer movements; restrictions imposed by war upon the consumer.

Omitted, 1943-44.

MR. FISHER

**15a. Public Finance.** The principles of governmental expenditures, revenues, and debts, with particular reference to the United States.

Omitted, 1943-44.

**Business Administration 16. Business Statistics, Business Charts, Graphs and Reports.**

**Business Administration 18. Business Organization and Finance.**

#### COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATE STUDENTS

**Business Administration 20. Business Law.**

**22. Labor Problems.** A study of the development of worker and employer organizations, collective bargaining, industrial disputes and methods of prevention and settlement. The second semester is devoted largely to the study of legislative control of industrial relationships and the Social Security program.

Through the year. M. W. F., 11.

MR. BRANDENBURG

**210a. Economic and Social Reform.** The historical and critical study of various programs. Prerequisite, Economics 14.

Omitted, 1943-44.

**211b. Contemporary Economic Systems.** A study of totalitarian economic systems (particularly of Russia, Italy, Germany, and Japan); a comparison of autarchy and free capitalism in the modern world; changes in international economic techniques consequent on totalitarian economics. Prerequisite Economics 210a or its equivalent.

Omitted, 1943-44.

MR. BRANDENBURG

**23a. Economics of War.** What economic mobilization for modern war means in terms of labor, resources, civilian and military economic preparation; necessary restraints on private enterprise and the extension of governmental controls; economic problems to be faced in post-war reconstruction era.

Omitted, 1943-44.

MR. BRANDENBURG

**Business Administration 24a. Marketing.**

Omitted, 1943-44.

**25. Problems in Public Finance.**

Omitted, 1943-44.

**26. Government and Industry.** An analysis of the function of government in controlling economic activity, including theories of



control, historical development of control, and such special problems as the regulation of trusts, public utilities, and railroads.

Indivisible course.

MR. LUCAS

Omitted, 1943-44.

**27a. International Trade and Finance.** The nature, theoretical basis, methods of financing, and government control, of the international movement of goods. Economics 13 is a desirable preliminary course.

Omitted, 1943-44.

MR. LUCAS

**28. Research in Selected Economic Problems.** Limited enrollment; consent of the instructor required.

Credit and hours to be arranged. THE STAFF OF THE DEPARTMENT

**29b. Economics of Transportation.** History and present status of rail, water, and highway transport; rate-making; public regulation, government operation, and chief problems of the present.

Omitted, 1943-44.

MR. LUCAS

#### COURSES PRIMARILY FOR GRADUATE STUDENTS

##### **31. International Economic Policies.**

First semester. A study of the teachings of various groups of economists from the Mercantilist Era to the present day in respect to national economic policies and international economic relationships, together with an estimate of the influence of these teachings on economic developments.

Second semester. A continuation, with emphasis on actual economic policies of nation states in respect to trade, markets, navigation, raw materials, etc.; efforts at peaceful collaboration as seen in economic conferences, regional agreements, trade reciprocity and treaties, economic unions, etc.

Two hours, through the year. W., 4-6.

MR. BRANDENBURG

Omitted, 1943-44.

##### **38. History of Economic Thought.**

First semester, to the end of the 18th century. After giving brief attention to Greek and Roman antiquity and to the Middle Ages, the contributions of the Mercantilists, the Physiocrats and Adam Smith are examined.

Second semester, modern economic thought. Attention is given rather to the history of thought than to analytical criticism of specific doctrines.

Omitted, 1943-44.

**39. Value and Distribution.** Analytical discussion of the theories of representative modern economists.

Indivisible course.

Omitted, 1943-44.

**311. Seminar in Economics and Sociology.** Fortnightly round table on investigations by members of the seminar. Occasional outside speakers. All full-time graduate students in the department are required to attend. Credit for not more than one hour through the year may be allowed for this course.

Second and fourth Thursdays of each month at 7:30.

THE STAFF OF THE DEPARTMENT

## SOCIOLOGY

### COURSES PRIMARILY FOR UNDERGRADUATES

**11. Principles of Sociology.** Society and its fundamental inter-relationships: man's social nature, his personality development, his behavior in groups such as classes, nations, races; community organization; social interaction as seen in competition and coöperation; social change. The course is essential to further study of Sociology.

Through the year. Tu. Th., 12:00 to 1:30.

MISS WEISS

**12. Social Work and Social Case Work.** The development of social work from the days of the English Poor Laws to today's program of social security; the work of the outstanding personalities in the field of social work; case material in relation to family case work, child welfare, group work, community organization, etc.; the nature and varieties of human behavior as a part of case work understanding. The course seeks to give the student a basic understanding of social work and its place in the life of the community.

Through the year. M., 1; Tu. Th., 11.

MISS GOLLER

### COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATE STUDENTS

**27a. Educational Sociology.** A study of education (organized and unorganized) and intellectual leadership in their relationships to politics, government, the family, religion, patriotism, business cycles, and other socio-economic phenomena. Education in the United States as it is and as it may be, will receive particular attention.

Omitted, 1943-44.

## DEPARTMENT OF ENGLISH

PROFESSOR AMES, PROFESSOR DODD, PROFESSOR ILLINGWORTH,  
ASSISTANT PROFESSOR HOYT, MR. MARBLE

The first term of English 11 is required of all freshmen. Students attaining a B grade or better in the first semester of English 11 may, with the approval of the instructor in English 11, and with the permission of the department, substitute for the second semester of English 11 any course in literature or composition which is elective to sophomores. Candidates for the degree of Bachelor of Business Administration take course B.A. 14, Business English, in the second semester of the freshman year.

A major in English consists of seven courses, not less than four of which and not more than five must be in English literature or composition, the others in related subjects. The following courses are prescribed for a student electing a major in English: English 13, 15, and three semesters chosen from English 113, 122, 146, 142 (one semester only). English 11 may not be counted as part of a major in English.

## THE PRENTISS CHENEY HOYT PRIZE IN POETRY

A prize of fifteen dollars is awarded annually by the Department of English for the best poem by an undergraduate. This is the interest on a fund established by the alumni as a memorial to Prentiss Cheney Hoyt, Professor of English at Clark University from 1909 to 1920.

## COURSES PRIMARILY FOR UNDERGRADUATES

**11. English Composition.** This course aims to increase clarity and accuracy of expression in writing, and to teach the ways in which words convey meaning. Weekly written papers, primarily of an expository nature, are assigned, together with readings of varied subject matter and book reports.

Required of freshmen.

Through the year. Tu. Th. S., 10; and M. W. F., 10.

MR. DODD, MR. ILLINGWORTH, AND MR. MARBLE

**12. Public Speaking.** A course in the composition and delivery of speeches and practice in impromptu speaking. The aim of the course is to train the student to think logically and to speak simply and effectively when on his feet.

Through the year. M. W. F., 9.

MR. ILLINGWORTH

**13a, b. Shakespeare.** A general survey of Shakespeare's works,

including the reading and class discussion of twelve plays. Elective for juniors and seniors.

First and second terms. Tu. Th. S., 10.

MR. AMES

**15. A Survey of English Literature.** A course in English literature from its beginning to the end of the eighteenth century. Elective for juniors and seniors.

Through the year. M. W. F., 10.

MR. AMES

**16c. Advanced Composition.**

Third term. Tu. Th., 10.

MR. HOYT

**18c. The Bible as Literature.** Elective for juniors and seniors.

Third term. Tu. Th. S., 10.

MR. AMES

**110. English Literature of the Nineteenth Century.** Elective for juniors and seniors.

Through the year. Tu. Th. S., 11.

MR. AMES

**111. American Literature.** Elective for juniors and seniors.

Through the year. M. W. F., 11.

MR. AMES

**112c. The Poetry of Tennyson and Browning.**

Third term. M. W. F., 11.

MR. MARBLE

**113a. British Drama.** From the mysteries and moralities to Barrie, Shaw and Galsworthy.

Open to freshmen.

MR. DODD

Omitted, 1943-44.

**114b. Elizabethan Drama.**

Second term. M. W. F., 11.

MR. MARBLE

**121a. Biography and Letters.** The biography, autobiography and correspondence of distinguished authors, painters and sculptors, from the eighteenth century to the present. This course is open only to upper classmen who are proficient in English.

Omitted, 1943-44.

MR. DODD

**122b. Modern Poetry.** A study, in representative contemporary poets, of the new tendencies in verse. Opportunity is afforded for original verse composition. Open only to upper classmen who are proficient in English.

Omitted, 1943-44.

MR. DODD

**124c. American Drama.** A study of the American drama from colonial times to the present.

Open to freshmen.

Third term. Tu. Th. S., 9.

MR. DODD



**125a, b. The Short Story.** Representative short stories in English and American literature.

Open to freshmen.

First and second terms. Tu. Th. S., 9.

MR. DODD

**126b. Modern Continental Drama.** A companion course to British Drama.

Open to freshmen.

Omitted, 1943-44.

MR. DODD

**131b. The Age of Chaucer.** A study of selections from Chaucer's works and of their relation to those of his contemporaries, to his backgrounds, and to English literature.

Second term. Tu. Th. S., 8.

MR. HOYT

**132c. Milton.** A study of selections from Milton's prose and poetry; literary and historical backgrounds.

Third term. Tu. Th. S., 8.

MR. HOYT

**140a. The Appreciation of Literature.**

Omitted, 1943-44.

**142. The English Novel.** First and second terms, a study of the novel from its beginning to Thomas Hardy; third term, the modern novel.

Open to freshmen.

Through the year. M. W. F., 8.

MR. ILLINGWORTH

**143b. Argumentation and Debate.** A systematic study of the principles and practice of argumentation.

Omitted, 1943-44.

**145a. Stagecraft.**

Open to freshmen.

Omitted, 1943-44.

**145b. Acting.**

Omitted, 1943-44.

**146b. Oral Interpretation of Literature.**

Omitted, 1943-44.

## DEPARTMENT OF FINE ARTS

LORING HOLMES DODD, *Professor of Rhetoric, Curator of Art, Chairman of the Department of Fine Arts.*

CARL S. MALMSTROM, *Instructor in Music, Director of Musical Organizations.*

\*CHARLES H. SAWYER, *Director, Worcester Art Museum.*

HERBERT BARNETT, *Head of Department of Drawing, Painting and Sculpture, School of the Worcester Art Museum.*

*With the coöperation of:*

HAVEN D. BRACKETT, *Professor of Greek and Latin.*

DAVID M. DOUGHERTY, *Associate Professor of Romance Languages.*

ROBERT S. ILLINGWORTH, *Professor of Dramatic Art.*

MARIAN B. DAVIS, *Lecturer in the History of Art at the Worcester Art Museum.*

A student who intends to major in fine arts (the visual arts) or who intends to offer courses listed as "fine arts" as a part of a major in another department is expected to take the course "Introduction to the Visual Arts" before electing other courses in this department.

A major in fine arts (the visual arts) will include:

1) The basic course, Fine Arts 1, Introduction to the Visual Arts, completed before the end of the sophomore year;

2) Fine Arts 111, Practical Art;

3) The equivalent of two other courses designated as "fine arts";

4) One course chosen from the following list: French 113, Greek 17, Spanish 113;

5) History 11, completed before the end of the sophomore year;

The group of courses chosen to constitute a major must be approved by the department in each case.

A major in music is not offered. Courses in music may be included in a major in the visual arts subject to the restrictions stated in the preceding paragraph.

The courses listed below are offered by the University in coöperation with the Worcester Art Museum and are open to students of either institution.

#### COURSES PRIMARILY FOR UNDERGRADUATES

**Fine Arts 1. Introduction to the Visual Arts.** A general introductory course in the appreciation and history of the visual arts.

Open to freshmen.

Through the year.

MR. SAWYER

Omitted, 1943-44.

**Fine Arts 10a, b. The Art of My Country.** American accomplishment in painting, sculpture and architecture. Illustrated lectures, assigned readings, field trips.

Open to freshmen.

First and second terms. M. W. F., 9.

MR. DODD

\*Absent, serving in the armed forces.

**Fine Arts 11b. French and English Painting, 18th and 19th Centuries.** Field trips are required. Fine Arts 10 is a prerequisite for freshmen, who are admitted only in special cases, at the discretion of the instructor.

MR. DODD

Omitted, 1943-44.

**Fine Arts 13b. Painting in Europe in the 17th Century.** The trends that led, among others, to El Greco and Velasquez, Rembrandt, and Hals, Rubens and Van Dyck. Field trips.

Omitted, 1943-44.

MR. DODD

**Fine Arts 15c. The Italian Renaissance.** Painting, sculpture and architecture in the era of Italy's greatest achievements in the arts. Field trips.

Third term. M. W. F., 9.

MR. DODD

**Fine Arts 111. Practical Art—Drawing and Painting.** This course is designed to develop the individual creative ability of the student and to provide him with a technical proficiency in the various media of artistic expression. Drawing and painting from the cast and model; still life painting; lectures and assigned reading.

Students electing this course are charged a fee of \$10 each semester in addition to the regular tuition. There is also an initial expense estimated at about \$10 for materials, and a slight expense for replacement as the course progresses through the year.

Through the year. Six hours per week at the School of the Worcester Art Museum. M. Tu., 2-5.

MR. BARNETT

Omitted, 1943-44.

**Music 12. A survey course.** The course begins with the study of the fundamentals of music, rhythm, melody and form. The development of music through its primitive stages, and in the folk-songs of the Middle Ages, is traced to the genesis of the sonata-form, and to the contemporary scene. The Vienna classicists, the romantic movement, the rise of impressionism, the so-called modernists are treated in the various types of music to be heard in concert hall, opera house, and over the radio.

An indivisible course, except that qualified students may be admitted at the beginning of each semester with the consent of the instructor.

Elective for sophomores, juniors, and seniors.

Through the year. M. W. F., 11.

MR. MALMSTROM

**French 113. Introduction to French Civilization.** A selective survey of the history, art, and literature of France, from the Middle Ages to the present time, given in coöperation with the Worcester Art Museum.

French 113 may not be counted in fulfillment of the requirement in foreign language.

Omitted, 1943-44.

**German 14 and 141. Germanic Civilization.** An illustrated lecture course on the cultural development of northern Europe from Indo-European times through the Renaissance and classical period. Given in cooperation with the Worcester Art Museum.

In German 14 the required reading is entirely in English. German 141 requires extensive reading in German and yields credit in foreign language. The basic content is the same in both courses.

Through the year. At the Worcester Art Museum, one afternoon weekly, other meetings at the University.

Omitted, 1943-44.

**Greek 123a,b. Greek Civilization.** This course will cover the period from the beginnings of Greek history to 146 B.C. Indivisible course.

Open to freshmen with the consent of the instructor.

First and second terms. Tu. Th. S., 11.

MR. BRACKETT

**Spanish 113. Introduction to Latin-American Civilization.** A survey of the art, history, and literature of the Latin-American countries from pre-conquest times to the present day. Weekly two-hour meetings at the Worcester Art Museum are divided between lectures and the showing and discussing of lantern slides and photographs. A third hour weekly, at the college, is required of undergraduates. A reading knowledge of Spanish, though highly desirable, is not a prerequisite for this course.

Through the year. Tu., 4:15; Th., 12.

MR. DOUGHERTY AND MISS DAVIS

**English 145a. Stagecraft.**

Omitted, 1943-44.

## GEOGRAPHY

A complete statement of the offerings in geography will be found in the announcement of the Graduate School of Geography.

## DEPARTMENT OF GEOLOGY

PROFESSOR LITTLE

COURSES PRIMARILY FOR UNDERGRADUATES

**12. General Geology.** A course dealing with the origin of scenery, the classification of rocks, the structure of the earth, the geog-



raphy of the past, and the evolution of life. Three recitations and one laboratory period or field trip weekly. Attendance on one out-of-town field trip lasting two to four days is required.

Indivisible course.

Through the year. M. W. F., 8; Th. 2.

MR. LITTLE

The following courses are offered occasionally on special request of four or more students.

### 121b. Crystallography, Mineralogy, and Blowpipe Analysis.

An elementary course on the identification of minerals by their geometrical, physical, and chemical properties. Two class meetings and one laboratory period weekly. General geology is not a prerequisite for this course.

Omitted, 1943-44.

MR. LITTLE

**122b. Economic Geology.** A course dealing primarily with the origin of the deposits of useful minerals with some reference to their more important occurrences throughout the world. Elementary chemistry and geology provide a desirable preparation for this course. Two class meetings and one laboratory period weekly. Geology 121 is a prerequisite.

Omitted, 1943-44.

MR. LITTLE

## DEPARTMENT OF GERMAN

PROFESSOR BOSSHARD, ASSISTANT PROFESSOR SPAULDING

MR. BAILLOU

*With the coöperation of*

DANIEL C. DENNETT, JR., *Assistant Professor of History,*

RUDOLPH F. NUNNEMACHER, *Assistant Professor of Biology*

The Department of German provides courses for the acquisition of a reading knowledge, for the fulfillment of the general requirement in foreign languages and for the completion of a major in German. German 112 is a course for upper classmen and graduate students; the courses numbered 11, 12, 13 form a regular sequence leading up to a good reading knowledge. German 131, "Practice in Speaking and Writing German," is a course preparing for mastery of the language, necessary for teaching and recommended for advanced work in literature. Courses designated as "advanced courses in literature," numbered 141, or higher, have as a prerequisite: German 13 or 131, or an achievement test in reading, writing and oral use of the language.

### COURSES PRIMARILY FOR UNDERGRADUATES

**11. Elementary German.** Vocabulary drill, pronunciation and grammar; composition, reading of easy prose.

Indivisible course.

Open to freshmen.

Through the year. M. W. F., 10.

MR. BOSSHARD AND MR. NUNNEMACHER

**12. Second Year German.** Reading, thorough review of grammar essentials, exercises in composition. Prerequisite, German 11.

Open to freshmen.

Through the year. Tu. Th. S., 9.

MR. BOSSHARD, MR. DENNETT AND MR. SPAULDING

**112. Basic German.** Open to juniors, seniors, and graduate students. Designed to make possible, with intensive application, the acquisition of a reading knowledge in German in one year, stressing an exact knowledge of the basic vocabulary, the fundamental points of grammar and sentence structure.

Through the year.

MR. BOSSHARD

Omitted, 1943-44.

**13. Third Year German.** Extensive reading, chiefly in modern literature, grammar review, composition. Prerequisites, German 12.

Open to freshmen.

Through the year. Tu. Th. S., 11.

MR. BOSSHARD, MR. DENNETT AND MR. SPAULDING

**131. Practice in Speaking and Writing.** Intensive linguistic work for prospective teachers and other students intending to continue with advanced work in German. After the month of October the course is conducted in German. Prerequisite, satisfactory work in German 12.

Open to freshmen.

Through the year. M. W. F., 11.

MR. BOSSHARD

**14 and 141. Germanic Civilization.** An illustrated lecture course on the cultural development of northern Europe from Indo-European times through the Renaissance and Classical period, given in coöperation with the Worcester Art Museum.

German 14, in which the reading is entirely in English, may be counted toward fulfillment of the general requirement in Fine Arts, but not toward language credit. German 141, with extensive reading in German, will include language credit.

Through the year. At the Worcester Art Museum, one afternoon weekly; other meetings at the university.

Omitted, 1943-44.

## ADVANCED COURSES IN LITERATURE

**151a. Classical and Nineteenth Century German Literature.**  
Omitted, 1943-44. Mr. BOSSHARD

**152b. The German Novel of the Nineteenth and Twentieth Centuries.**  
Omitted, 1943-44. Mr. BOSSHARD

**153. Contemporary German Literature.**  
Omitted, 1943-44. Mr. BOSSHARD

**161a. Lyric Poetry.**  
Omitted, 1943-44. Mr. BOSSHARD

**162b. Goethe's Faust.**  
Omitted, 1943-44. Mr. BOSSHARD

**17. Survey of German Literature.**  
Omitted, 1943-44. Mr. BOSSHARD

**182b. Advanced Reading in German Philosophy.**  
Omitted, 1943-44. Mr. BOSSHARD

**19. Seminar for Honor Students.**  
Omitted, 1943-44. Mr. BOSSHARD

DEPARTMENT OF HISTORY AND  
INTERNATIONAL RELATIONS

PROFESSOR LEE, PROFESSOR JORDAN, ASSISTANT PROFESSOR  
ROZWENC, ASSISTANT PROFESSOR DENNETT

*The staff of the department is curtailed by the absence of members who are engaged in activities connected with the war.*

## UNDERGRADUATE WORK

The aim of the department in its undergraduate work is to give a broad knowledge of the more significant aspects, political, social and intellectual, of the growth of the leading countries of the world. In addition, the department offers introductory work in the field of government and political science.

History 11, primarily for freshmen, is open to members of all classes and is ordinarily prerequisite for other courses taken by those majoring in this department. Students who are not majoring in this department may, in some instances, elect other courses whose numbers begin with (1) without having previously taken History 11.

## GRADUATE WORK

The distinctive feature of the graduate work is the emphasis it places upon the various aspects of international relations. Without neglecting the political, economic and social history of preceding centuries, particular stress is laid on the modern diplomacy and international relations of the United States, Europe, the British Empire, and the Far East.

The various courses offered in the department are so arranged, in cycles of two or three years, that students working for the doctorate will be able to secure a full program each year. A feature of the method of instruction in the department is the frequent informal conferences between instructor and student, and the seminar method in many of the courses.

Particular attention is called to related work offered in the fields of geography and economics and to the announcement of the Division of International Affairs.

## COURSES PRIMARILY FOR UNDERGRADUATES

**11. Introduction to the History of Europe.** A survey of civilization from the Roman Empire to the present time.

Open to freshmen. See departmental announcement above.

Through the year. Tu. Th. S., 10.

MR. LEE, MR. JORDAN AND MR. DENNETT

**12a. European Governments.** An introduction to the government and politics of the principal European states.

First term. Tu. Th. S., 12.

MR. LEE

**150c. History of England.** Dealing primarily with British history since the fifteenth century this course forms a background for the study of American history and English literature.

Third term. M. W. F., 9.

MR. JORDAN

**16. England Since 1760.** A study emphasizing particularly questions of democracy, imperialism, and survival.

Through the year. M. W. F., 10.

MR. JORDAN

Omitted, 1943-44.

**17. American History Since 1783.** After a brief survey of the American Revolution, the course will treat carefully the period since 1783. Divisible only with the approval of the instructor.

Through the year. Tu. Th. S., 9.

MR. ROZWENC

**18b, c. A Survey of International Relations.** A general survey of the whole field of international relations with special attention to problems of the war and peace.

Second and third terms. Tu. Th. S., 12.

MR. LEE



**120. Europe Since 1815.** The internal and external development of the major European nations with special emphasis on the period from 1870 to the present.

Through the year. Tu. Th. S., 2. MR. LEE AND MR. DENNETT

**127a, b. Conflicts of Modern Political Thought.** A survey beginning with the French Revolution and stressing ideas of present interest.

First and second terms. M. W. F., 9. MR. JORDAN

COURSES FOR ADVANCED UNDERGRADUATES AND  
GRADUATE STUDENTS

**21a. Great Britain in Two Wars, 1914-18 and 1939-44.**

Omitted, 1943-44. MR. JORDAN

**22. The Pacific and the Far East.**

Omitted, 1943-44. MR. BLAKESLEE

**25a, b. Recent History of the British Empire.** A consideration of the nature and problems of the Empire, mainly in the twentieth century.

First and second terms. M. W. F., 10. MR. JORDAN

**28. History of the British Empire.** In the second semester the course will deal with developments and problems since 1870.

Through the year. MR. JORDAN  
Omitted, 1943-44.

**29a. Russia and the Near East.**

Omitted, 1943-44.

**201. Social and Intellectual History of the United States.**

Omitted, 1943-44. MR. ROZWENC

**205. History of Political Thought.**

Omitted, 1943-44. MR. JORDAN

**214a. Foundations of American Institutions.** The European background of American history and the political and social development in the colonies.

First term, Tu. Th. S., 11. MR. ROZWENC

**214b, c. Constitutional History of the United States.** Major emphasis is placed on the historical development and the present interpretations of our basic law.

Second and third terms. Tu. Th. S., 10. MR. ROZWENC

**231. International Law.**

Omitted, 1943-44. MR. BLAKESLEE

**232. European International Relations Since 1870.**

Omitted, 1943-44.

**235b. History of British India.**

Omitted, 1943-44.

MR. JORDAN

**242a. The United States in the Twentieth Century.**

Omitted, 1943-44.

MR. ROZWENC

COURSES PRIMARILY FOR GRADUATE STUDENTS

**30. Problems in International Relations.**

Omitted, 1943-44.

MR. BLAKESLEE

**33. Foreign Relations of the United States.**

Omitted, 1943-44.

MR. BLAKESLEE

**320a. England Since 1865.**

Omitted, 1943-44.

MR. JORDAN

**38a. European International Relations Since 1930.**

Omitted, 1943-44.

MR. LEE

**342. The Influence of Westward Expansion in American Development.**

Omitted, 1943-44.

MR. ROZWENC

**351. Research in the International Relations of the United States.**

MR. BLAKESLEE

**352. Research in the International Relations of the Pacific and the Far East.**

MR. BLAKESLEE

**353. Research in the History and International Relations of the British Empire.**

MR. JORDAN

**354. Research in the History and International Relations of Continental Europe.**

MR. LEE

**355. Research in the History of the United States.**

MR. ROZWENC

**36. Seminar.** Bibliography and criticism research problems being investigated by students and faculty are discussed.

Weekly, through the year. Tu., 7:45.

THE STAFF OF THE DEPARTMENT

## DEPARTMENT OF MATHEMATICS

PROFESSOR MELVILLE

The department of mathematics offers courses at the undergraduate level only.

Freshman mathematics includes algebra, trigonometry and elementary analytical geometry. This course is required of every student whose major subject is a science. A second year course continues the study of analytical geometry and gives an introduction to differential and integral calculus. The completion of this course gives the minimum mathematical training required for "a major" in physics or chemistry. The third year course is devoted to the further study of calculus, including differential equations.

Following the three fundamental courses, the offerings vary, depending on the needs and wishes of the students. Some of the courses given in recent years are listed below, numbered 14 or higher.

A major in mathematics will normally include two or three courses in physics, although other appropriate combinations of subjects will be approved.

#### COURSES PRIMARILY FOR UNDERGRADUATES

NOTE: Only freshmen or sophomores may elect Mathematics 10 or 11 for full credit. Juniors or seniors who complete the work of either of these courses will receive credit for two-thirds of a course.

**10. Freshman Mathematics.** Algebra, trigonometry and graphics.

Open to freshmen.

Through the year. Tu. Th. S., 8.

MR. MELVILLE

**11. Freshman Mathematics.** For students whose records in placement examinations justify the expectation that they will be able to proceed more rapidly than those assigned to course 10. Algebra, trigonometry and elementary analytical geometry.

Open to freshmen.

Through the year.

Omitted, 1943-44.

**12. Second Year Course.** Analytical geometry, introduction to differential and integral calculus.

Through the year. Tu. Th. S., 11.

MR. MELVILLE

**13. Calculus and Differential Equations.**

Through the year. M. W. F., 11.

MR. MELVILLE

**14. Selected Topics from Analysis and Geometry.**

Through the year.

Omitted, 1943-44.

MR. MELVILLE

**15a. Advanced Algebra and Theory of Equations.**

Omitted, 1943-44.

MR. MELVILLE

**113. The Mathematics of Statistics.**

Omitted, 1943-44.

MR. MELVILLE

**16. Advanced Analytical Geometry in Two and Three Dimensions.**

Omitted, 1943-44.

MR. MELVILLE

**DEPARTMENT OF PHYSICS****PROFESSOR ROOPE****UNDERGRADUATE WORK**

The aim of the undergraduate work in physics is to give to the students a knowledge of the principles which are at the basis of modern applications of science to human affairs. It is deemed equally desirable to impart a knowledge of the methods and the results of modern physics which are so profoundly influencing our fundamental concepts and without which no one may be considered liberally educated. The department aims also to fit students with professional preparation for chemistry, meteorology and allied sciences, medicine, engineering and science teaching, as well as for professional or graduate work in physics.

Students should note that Physics 11 is a prerequisite for all other courses in physics here listed; also, that courses numbered 15 or higher require the use of "calculus" and should not be elected without consulting the instructor in charge.

Courses 15, 16 and 17 each require a limited amount of laboratory work to be done at the discretion of the instructor and at such a time that it will not interfere with regularly scheduled courses.

**GRADUATE WORK**

Courses leading to the degree of Doctor of Philosophy and Master of Arts are omitted during the war emergency.

**COURSES PRIMARILY FOR UNDERGRADUATES**

**11. General Physics.** Mechanics, heat, electricity and magnetism, wave motion, sound, and light. The textbook is Robeson's *Physics*. Mathematics 10 or 11 is advised, but not required.

Indivisible course.

Open to freshmen.

Through the year. M. W. F., 8; W. 2.

MR. ROOPE

**13. History of Physics.**

Omitted, 1943-44.

MR. ROOPE

**14. Mechanical, Optical and Electrical Measurements.**

Omitted, 1943-44.



**15. Thermodynamics.**

Omitted, 1943-44.

Mr. Roope

**16. Optics.**

Omitted, 1943-44.

Mr. Roope

**17. Introduction to Modern Physics.**

Omitted, 1943-44.

COURSES FOR ADVANCED UNDERGRADUATES AND  
GRADUATE STUDENTS**22. Theoretical Mechanics.**

Omitted, 1943-44.

Mr. Roope

**23. Theory of Electricity and Magnetism.**

Omitted, 1943-44.

**24. Electronics.**

Omitted, 1943-44.

**216. Seminar.** Open to all physics students. Occasional meetings. No credit.  
THE STAFF OF THE DEPARTMENT

DEPARTMENT OF PSYCHOLOGY AND EDUCATION  
DIVISION OF PSYCHOLOGY

PROFESSOR VERNON JONES, ASSISTANT PROFESSOR BROWN,  
ASSISTANT PROFESSOR (AFFILIATE) RODNICK

The psychological laboratories at Clark University were established by G. Stanley Hall immediately after the founding of the university, and constituted the first adequately appointed laboratories in this field in America. These laboratories, under the direction of Edmund C. Sanford and John W. Baird, increased rapidly in size and in research possibilities.

## UNDERGRADUATE WORK

The aim of the department in its undergraduate work is to give as broad a knowledge as possible of the more significant aspects of psychology. This includes courses leading to graduate work in psychology and also courses involving the application of psychological principles to education and to industry.

Students majoring in the department will be divided into three groups: first, those who plan to do graduate work in psychology, second, those interested in general psychology but not contemplating graduate work, and third, those interested in educational psychology

and education. The requirements for each of these classes are somewhat different and students who are interested should apply to the department for detailed requirements.

#### GRADUATE WORK

Students who come with adequate training in elementary psychology supplemented by satisfactory training in allied fields, may expect to devote nearly all their time during the first year to advanced course-work. Such students will need to devote about half their time to course-work during their second year, and may expect to give the major part of their time to research after the second year.

Students planning to become candidates for the master's degree should confer with members of the staff as early as possible in order that a suitable thesis subject may be agreed upon.

Only graduate students with superior records are encouraged to become candidates for the doctor's degree. Such candidates are required to obtain exact information concerning all the significant methods of psychological research and to demonstrate actual ability to use one or more of these methods in an original research which usually extends over at least two years.

#### COURSES PRIMARILY FOR UNDERGRADUATES

**11. General Psychology.** An introduction to the principles of human behavior.

Through the year. M. W. F., 10.

MR. BROWN

**116a. Genetic Approach to Social Adjustment.** A survey of the principles of social development of young people between the ages of ten and seventeen. Practical experience in directing recreational activities of children will be provided.

First term. T. Th. S., 10.

MR. JONES

**180. Introduction to Philosophy.** A general introduction to the problems and systems of philosophy.

Through the year. M. W. F., 9.

MR. BROWN

#### COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATE STUDENTS

**22. Abnormal Behavior and Personality Development.** The first part of the course will be devoted to a survey of the chief types of abnormal behavior, including psychoses and neuroses, and also somnambulism and telepathy. Emphasis will be placed on the dynamics common to both normal and abnormal manifestations. The last part of the course will consist of a consideration of personality

development. For pre-medical students and advanced students in psychology.

Through the year. W., 5; F., 4-6.

MR. RODNICK

**23. Learning and Conditioning.** A study of experiments and theories of learning and conditioning.

Through the year. M. W. F., 11.

MR. BROWN

**201a, b. Educational Psychology.** A study of psychological principles as they bear upon learning and other problems of education.

First and second terms. Tu., 10; F., 4-6.

MR. JONES

**202c. Advanced Educational Psychology: Individual Differences.** The course includes a study of the gifted, the dull, the psychoneurotic, and the delinquent child.

Third term. Tu., 10; F., 4-6.

MR. JONES

**210b. Psychological Approach to Citizenship and Leadership Development.** A survey and critical evaluation of the experimental evidence in the field of character and citizenship development among children and adolescents.

Omitted, 1943-44.

MR. JONES

**212. Experimental Psychology.** A general survey of experimental psychology involving detailed experience with laboratory apparatus. Six hours in the laboratory and one lecture weekly.

Through the year. M., 2; F., 2-4.

MR. BROWN

**213. Statistical Methods.** The purpose of this course will be to give an understanding of and practice in the statistical methods most valuable in psychological experimentation.

Through the year. Tu., 9; Th., 4-6.

MR. JONES

**214. Tests and Measurements Applied to Psychological and Educational Problems.** A study of the measurement of aptitude, achievement, interest, and attitude. Theoretical considerations and practical problems will be included.

Through the year. Tu., 4-6; F., 9.

MR. JONES

**216b, c. Genetic Approach to Social Psychology.** A study of some of the dynamics of social behavior and their origins. Special attention will be given to experimental studies involving children, youth, and primitive societies.

Second and third terms. W., 3-5; Th. 10.

MR. JONES

## COURSES PRIMARILY FOR GRADUATE STUDENTS

**303. Guidance of Adolescents.** The basic methods and techniques of educational, vocational and personality guidance.

Omitted, 1943-44.

**320a. Advanced Experimental Psychology: Sensory Processes.** A study of the functions of the sense organs.

Omitted, 1943-44.

**350. Research in Psychology.** THE STAFF OF THE DEPARTMENT  
Other courses will be offered as the needs of graduate students become evident.

## DIVISION OF EDUCATION

VERNON JONES, *Professor of Educational Psychology*

*With the coöperation of*

PHILIP H. CHURCHMAN, *Professor of Romance Languages*

ROBERT S. ILLINGWORTH, *Professor of Dramatic Art*

In 1936 the trustees of the university voted to establish a Department of Education designed primarily to offer work leading to the degree of Master of Arts in Education. Beginning with the academic year 1940-41, the Department of Education has been merged with the Department of Psychology in the Department of Psychology and Education, forming a division of that department.

It has become increasingly evident that candidates for the bachelor's degree who include a few courses in education in their undergraduate programs are not being adequately prepared to meet the demands for scholarly and professional training required by the better school systems. The Division of Education was established with the aim of providing a fifth year of well-organized professional work for students who are interested in preparing for educational work, particularly at the secondary school level.

## UNDERGRADUATE WORK

A limited number of courses will be open to juniors and seniors in the undergraduate division upon the consent of the instructor, but the department recommends that undergraduate students concentrate upon the subject-matter fields in which they desire to teach, reserving for the fifth year the professional work in the theory and practice of education.

In keeping with the general plan to offer in five years a well-rounded program of teacher training with emphasis on the professional aspects of the training in the fifth year, *an undergraduate major in education is not offered.*



## GRADUATE WORK

The requirements for the degree of Master of Arts in Education cannot be adequately stated in terms of courses to be taken, because the evaluation of the work of each student will be made on the basis of achievement rather than on the basis of courses completed. However, the minimum essentials in terms of course requirements are outlined below.

*Course requirements.* The student is expected to elect one of the following groups of studies as the field in which he wishes to teach:

- (a) Mathematics and natural sciences
- (b) History, geography, and economics
- (c) Ancient and modern foreign languages
- (d) English, alone or in combination with some related subject.

Prior to receiving the degree, the candidate must complete not less than five year-courses in one of the above groups, or in a combination of groups approved by the Division of Education. At least one of the five year-courses must be taken as a part of the study in residence for the advanced degree and must be passed with a grade satisfactory for graduate credit. In addition to the above requirement in the subject-matter field, sixteen semester hours of graduate work in education will normally be required. The program of courses to yield these sixteen hours must be approved in advance by the department. Changes in the proportion of education and subject-matter courses may be made by the department on the basis of the candidate's previous training. Work, additional to the above requirements, either in the subject-matter field or in education, or both, may be required if this seems necessary for the adequate preparation of the candidate.

*Thesis.* The candidate must present a "thesis," or "special report," in which he demonstrates not only his grasp of the subject-matter which he plans to teach but also a mastery of the educational principles necessary for such teaching. The thesis will be adapted to the vocational needs of the candidate and will not be regarded as an index of his capacity for research. In this respect it may differ somewhat from the thesis required of candidates for the degree of Master of Arts in other fields.

## COURSES PRIMARILY FOR UNDERGRADUATES

**Psychology 116a. Genetic Approach to Social Adjustment.** A survey of the principles of social development of young people between the ages of ten and seventeen. Practical experience in directing recreational activities of children will be provided.

First term. T. Th. S., 10.

MR. JONES

COURSES FOR ADVANCED UNDERGRADUATES AND  
GRADUATE STUDENTS

**Psychology 201a, b. Educational Psychology.** A study of learning and other psychological principles as they bear upon the problems of education.

First and second terms. Tu., 10; F., 4-6.

MR. JONES

**Psychology 202c. Advanced Educational Psychology: Individual Differences.** The course will include a study of the gifted, the dull, the psychoneurotic, and the delinquent child.

Third term. Tu., 10; F., 4-6.

MR. JONES

**204b. The Teaching of Modern Languages.**

Omitted, 1943-44.

MR. CHURCHMAN

**205a. The Teaching of English.**

Omitted, 1943-44.

MR. ILLINGWORTH AND MR. MARBLE

**Psychology 210b. Psychological Approach to Citizenship and Leadership Development.** A survey and critical evaluation of the experimental evidence in the field of character and citizenship development among children and adolescents.

Omitted, 1943-44.

MR. JONES

**Psychology 213. Statistical Methods.** The purpose of this course will be to give an understanding of and practice in the statistical methods most valuable in psychological experimentation.

Through the year. Tu., 9; Th., 4-6.

MR. JONES

**Psychology 214. Tests and Measurements Applied to Psychological and Educational Problems.** A study of the measurement of aptitude, achievement, interest, and attitude. Theoretical considerations and practical problems will be included.

Through the year. Tu., 4-6; F., 9.

MR. JONES

## COURSES PRIMARILY FOR GRADUATE STUDENTS

**Psychology 303. Guidance of Adolescents.** The basic methods and techniques of educational, vocational and personality guidance.

Omitted, 1943-44.

**308a. Principles of Secondary Education.** A survey of the aims, responsibilities, and general methods in secondary education.

Omitted, 1943-44.

MR. JONES

**315. Apprenticeship Teaching.** An informal course consisting of extensive practice teaching in the field or fields in which the stu-

dent plans to teach. Individual supervision is given by the department and by critic teachers in coöperating schools.

Two hours. Time to be arranged individually with each student.

MR. JONES AND CRITIC TEACHERS

## DEPARTMENT OF ROMANCE LANGUAGES

PROFESSOR CHURCHMAN, ASSOCIATE PROFESSOR DOUGHERTY,

MR. CUFFARI

Courses offered in the languages and literatures of France, Spain, and Spanish America have been planned to provide:

- (1) an extensive "reading knowledge" of French and Spanish, essential for carrying on advanced work in sciences, social sciences, or the humanities, and for fulfilling the language requirement for the degree of Bachelor of Arts,\* and
- (2) an adequate foundation for graduate work and preparation for teaching of either or both languages.

A major in Romance Languages should comprise the following courses:

- (1) French 114 or French 17 or both;
- (2) French 113 or Spanish 113;
- (3) Two additional courses at or above the level of French 13, French 14, or Spanish 14;
- (4) History 11, to be completed by the end of the sophomore year;
- (5) An elective course, to be approved by the department, in a different language or literature, or in history.

A student majoring in Romance Languages would normally take French 14 and either French 13, Spanish 11, or Spanish 12 during the freshman year and, as early as possible thereafter, French 114 and either French 17, Spanish 12, or Spanish 14. More advanced courses, including one reading seminar in French literature, would be part of such a student's program during the junior and senior years.

Attention of students who intend to major in Romance Languages is directed to the necessity of acquiring a thorough knowledge of Spanish, as well as of French, in view of current emphasis on that language in business and international affairs, as well as in literature.

## FRENCH

### COURSES PRIMARILY FOR UNDERGRADUATES

#### 11. The Reading Approach to French—For Beginners. Inci-

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\*One year-course at the third year college level: French 14, Spanish 14, French 13.

dental aural work, elements of pronunciation. Indivisible course.

Open to freshmen.

Through the year. M. W. F., 11.

MR. CHURCHMAN

Omitted, 1943-44. Offered in alternate years.

**12. Intermediate.** Extensive reading, exercises in composition and pronunciation. Prerequisites, French 11 or two years of high school French. Indivisible course.

Through the year. M. W. F., 8.

MR. DOUGHERTY

NOTE: Courses 13 and 14 are of approximately equal difficulty. Either may be taken upon the satisfactory completion of French 12 or three years of high school French, but admission to course 13 is restricted to specially qualified students.

**13. Composition and Pronunciation.** The objective of this course is the correct writing, pronunciation, and comprehension of present-day French. Intensive work in phonetics.

Open to freshmen, subject to the approval of the instructor.

Through the year. M. W. F., 9.

MR. DOUGHERTY

**14. Readings in French Literature.** The aim of French 14 is twofold: the attainment of facile reading ability and a general view of modern French literature based upon a detailed study of ten works of representative authors.

Open to freshmen.

Through the year. M. W. F., 11.

MR. DOUGHERTY

**113. Introduction to French Civilization.** A selective survey of the history, art, literature, and music of France, from the Middle Ages to the present time, given in coöperation with the Worcester Art Museum. Weekly two-hour meetings at the museum are divided between lectures and the showing and discussing of lantern slides and photographs, and, occasionally, the playing of phonograph records. A third hour weekly at the college is arranged for undergraduates. Ordinarily, it is expected that students will have completed French 14 before taking this course, inasmuch as a reading knowledge of the language is highly desirable.

French 113 may be counted in fulfillment of the general requirement in art, music and literature, but not in fulfillment of the requirement in foreign language.

Omitted, 1943-44.

MR. DOUGHERTY

**114. General View of French Literature.** A unified and fairly complete account of French literature from the beginning to the present time. Prerequisite, course 14.

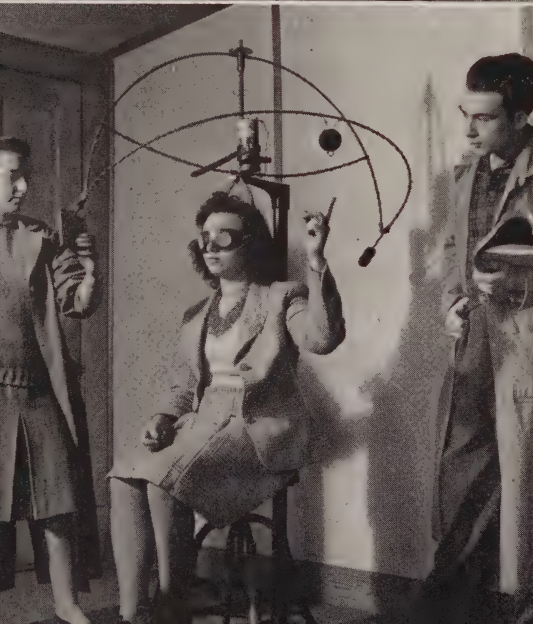
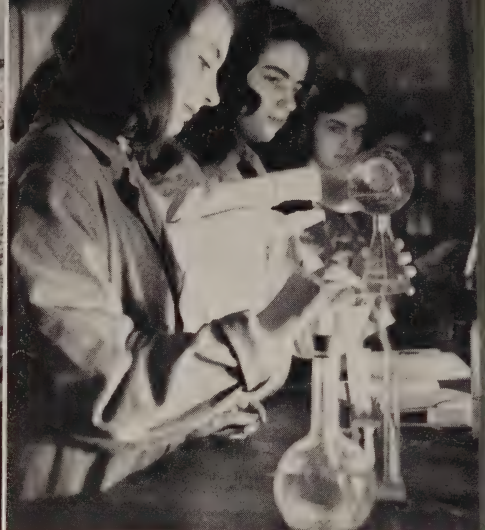
Through the year. Tu. Th. S., 11.

MR. CHURCHMAN

NOTE: Not more than two of the courses in literature listed below are offered each year. They are restricted to qualified students and are conducted as semi-









nars devoted to wide reading, partly prescribed, and partly along lines suggested by the student's preference, but under guidance by the instructor. A short thesis is required in each semester. Before undertaking any of these courses it is ordinarily assumed that the student will have completed French 114 with a grade no lower than B and will have given evidence of ability to work by himself.

**15. Literature of the seventeenth Century.** MR. DOUGHERTY

**115. Literature of the Middle Ages.** MR. DOUGHERTY

**16. Literature of the Nineteenth Century.** MR. CHURCHMAN

**116. Literature of the Sixteenth Century.** MR. CHURCHMAN

**19. Literature of the Eighteenth Century.** MR. DOUGHERTY

**119. Contemporary Literature.** MR. CHURCHMAN

**17. Phonetics, Advanced Composition and Oral Work.** Intensive linguistic work for intending teachers and other advanced students. Prerequisite, course 13.

Through the year. M. W. F., 10. MR. CHURCHMAN

Omitted, 1943-44. Offered in alternate years.

**Education 204b. The Teaching of Modern Languages.**

Omitted, 1943-44. MR. CHURCHMAN

## SPANISH

### COURSES PRIMARILY FOR UNDERGRADUATES

**11. Elementary.** Carefully graded reading; exercises in grammar and pronunciation. Attention is paid to the artistic and cultural achievements of Spain and of Spanish America. Indivisible course. Two independent sections.

Through the year. Tu. Th. S., 10.

MR. CHURCHMAN, MR. DOUGHERTY AND MR. CUFFARI

**12. Intermediate.** Combination of readings from Spanish literature with more advanced study of the language, oral and written, and special study of South America. Prerequisite, course 11 or two years of high school Spanish.

Open to freshmen.

Through the year. M. W. F., 10.

MR. CHURCHMAN

**14. Readings in Spanish and Spanish-American Literature.** The objective of Spanish 14 is the attainment of facile reading ability and a general knowledge of Spanish and Spanish-American authors. Five representative writers will be studied in each field, those of the mother-country during the first semester, those of the Spanish-

American countries during the second. This course, the completion of which constitutes fulfillment of the foreign language requirement for the degree of Bachelor of Arts, is open to students, including freshmen, who have successfully completed two years of Spanish in college or three years in high school.

Through the year. M. W. F., 11.

MR. DOUGHERTY

Omitted, 1943-44. Offered in alternate years.

**113. Introduction to Latin-American Civilization.** A survey of the art, history, and literature of the Latin-American countries from pre-conquest times to the present day. Weekly two-hour meetings at the Worcester Art Museum are divided between lectures and the showing and discussing of lantern slides and photographs. A third hour weekly, at the college, is required of undergraduates. A reading knowledge of Spanish is not a prerequisite for this course.

Through the year. Tu. 4:15; Th. 12.

MR. DOUGHERTY AND MISS DAVIS

To be omitted, 1944-45. Offered in alternate years.



## The Summer School

The six-week summer school was established in 1921, primarily to serve teachers who were employed during the regular academic year. Its organization and its offerings have, accordingly, been relatively independent of the general university program. In the present national emergency such an arrangement is no longer feasible. The necessity of providing an opportunity for college students to complete the requirements for a bachelor's degree in three calendar years makes it essential to offer a summer term as an integral part of the college program.

Teachers, graduate students and others whose plans have been based on attendance at a summer school for six weeks will find that their needs are met, under the revised university calendar, by the second session of the summer term.

They will find courses offered in a wider range of subjects than has been customary in the Summer School, particularly in subjects contributing to a better understanding of national and international problems. Lectures, excursions, and dramatic productions will be provided as heretofore.

A normal program will consist of two subjects, each subject yielding three semester hours of credit, instead of three subjects, each yielding two semester hours of credit as in previous years. The total credit for six weeks' work will, consequently, be the same as in the past. Each class period will be sixty minutes instead of fifty minutes, as formerly.

*The Summer Term Bulletin* published in March, contains detailed information about the coming term with descriptions of the various courses, and may be had upon application to Clark University, Worcester, Mass.

# The Summer Term

FIRST SESSION, JUNE 12 TO JULY 21

SECOND SESSION, JULY 24 TO SEPTEMBER 1

One result of the national emergency has been the attempt by institutions of higher education to speed up their undergraduate programs in order that students may complete the requirements for a degree within a shorter period of time.

In accordance with this policy, Clark University schedules a summer term of twelve weeks, divided into two sessions of six weeks each.

Instruction is offered in all subjects usually included in the undergraduate or graduate programs for which there is sufficient demand.

Work done in the summer term may be counted toward the fulfillment of the requirements for the degrees of Bachelor of Arts, Bachelor of Business Administration, Bachelor of Education, Bachelor of Nursing Education, Master of Arts, and Doctor of Philosophy.

Unless otherwise announced, subjects are presented in "courses" or "half courses." A course, equivalent to six semester hours, involves five sixty-minute meetings per week, or their equivalent, throughout twelve weeks. A half course extends through six weeks. A normal program will be two subjects carried concurrently.

Tuition charges, for a normal program, are \$96 for the term of twelve weeks, or \$48 for each session of six weeks. The charge for other programs is on the basis of \$8 per semester hour.

Dormitory accommodations for both men and women are available at reasonable rates.

*The first session* has been designed primarily for college students who will remain through the entire term of twelve weeks. However, any qualified person may be admitted to this session.

Any high school senior finding it possible to attend this early session will be permitted to do so, provided he can present a satisfactory record in seven semesters of preparatory school work and remains in attendance at preparatory school with a satisfactory record up to the opening of the summer term.

*The second session* has the additional purpose, as has been stated, to serve the group which under normal conditions would attend a summer school for six weeks, beginning about July 4. Many of the undergraduate courses have been planned so that they may be entered at the opening of the second session, and the range of choice in course offerings will be much wider than in recent summer schools.

## THE SUMMER TERM AND THE ACCELERATED COLLEGE PROGRAM

The introduction of the summer term, with its two sessions of

six weeks each, has given great flexibility to the college program. The college course may extend through the traditional four years or may be condensed into shorter periods of time.

An ambitious student who is well prepared, in good health and willing to work hard may complete the college course in less than three calendar years. A student who graduates from high school in June could enter college at the beginning of the second session of the summer term and receive his bachelor's degree in June three years later without carrying more than a normal program of college work. His schedule for the three years would be as follows:

Enter college in July

First summer term, second session only ..... 1 course

First academic year (September to June) ..... 5 courses

Second summer term ..... 2 courses

Second academic year ..... 5 courses

Third summer term ..... 2 courses

Third academic year ..... 5 courses

Requirements for graduation, 20 courses, will be completed at end of three years.

Schedules providing for graduation at other times may be worked out to suit individual needs.

#### COURSES OFFERED IN THE SUMMER TERM

Courses are identified by number. The letters "a" and "b" following a course number indicate that the course is offered for the first session or for the second session respectively. Any particular course bears the same identifying number whether it is offered during the regular academic year or in the summer term. Courses primarily for undergraduates have numbers beginning with the figure "1," those for advanced undergraduates and graduate students, with the figure "2," and those primarily for graduate students, with the figure "3."

The following courses were given during the 1943 summer term.

#### ANCIENT LANGUAGES

**ST17a. Greek Civilization.** Mr. BRACKETT

**ST18b. Greek Literature in Translation.** Mr. BRACKETT

#### BIOLOGY

**ST12a. Comparative Anatomy of the Vertebrates.** Mr. NUNNEMACHER

**ST15b. Economic Botany.** Mr. POTTER

ST18a.	Genetics.	MR. POTTER
ST111a.	Outlines of Biology.	MR. POTTER
ST112b.	Mammalian Anatomy.	MR. NUNNEMACHER
ST144b.	Bacteriology.	MR. POTTER

## BUSINESS ADMINISTRATION

ST117.	Principles of Accounting.	MR. MELDER
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## CHEMISTRY

ST11.	General Chemistry.	MR. MARTELL AND MR. MERIGOLD
ST12a.	Qualitative Analysis.	MR. BULLOCK
ST14b.	Elementary Quantitative Analysis.	MR. MERIGOLD
ST15.	Organic Chemistry.	MR. BULLOCK AND MR. MARTELL
110.	Organic Synthesis.	MR. BULLOCK AND MR. MARTELL
215b.	Honor Course.	MR. MARTELL

## ECONOMICS AND SOCIOLOGY

## ECONOMICS

ST14a.	Economic History of Western Europe.	MR. EHLERS
ST14b.	Economic History of the United States.	MR. BRANDENBURG
ST23b.	Economics of War.	MR. BRANDENBURG

## SOCIOLOGY

ST11a.	Principles of Sociology.	MR. MELDER
ST19b.	Educational Sociology.	MR. MELDER

## ENGLISH AND DRAMATICS

## ENGLISH

ST11.	English Composition.	MR. HOYT
ST12b.	Public Speaking.	MR. ILLINGWORTH
ST13b.	Shakespeare.	MR. MARBLE
ST15.	A Survey of English Literature.	MR. MARBLE



ST110a. English Literature—The Second Half of the Nineteenth Century. Mr. HOYT

ST125a. The Short Story. Mr. DODD

#### DRAMATICS

ST126b. Modern Continental Drama. Mr. ILLINGWORTH

ST145b. Stagecraft. Mr. ILLINGWORTH

#### FINE ARTS

ST11a. French and English Painting, 18th and 19th Centuries. Mr. DODD

#### GEOGRAPHY

ST10. Principles of Geography. Mr. WARMAN

ST12a, b. Meteorology. Mr. EKBLAW

ST100. Military Geography. Mr. WARMAN

ST191. Cartography. Mr. BURNHAM

ST205b. Workshop in High School Geography. PRESIDENT ATWOOD, assisted by MISS SCHNORRENBURG and the STAFF.

ST31b. Regional Physiography. PRESIDENT ATWOOD

ST37b. Cultural Geography. Mr. EKBLAW

ST301a. Seminar in Geography. STAFF

WS603. Cartography, Maps and Aerial Photographs. Mr. WARMAN AND Mr. BURNHAM

WS604. Research in Geography. STAFF

#### GERMAN

ST11. Elementary German. Mr. BRACKETT

ST12. Second Year German. Mr. BOSSHARD

ST13. Third Year German. Mr. BOSSHARD

#### HISTORY AND INTERNATIONAL RELATIONS

ST17. American History Since 1783. Mr. JORDAN AND Mr. ROZWENC

215b. **The Conduct of Modern War in Great Britain and the United States of America.** MR. JORDAN AND MR. ROZWENC

ST232a. **History of Two Decades, Europe Since 1919.**  
MR. DENNETT

## PSYCHOLOGY AND EDUCATION

ST201b. **Educational Psychology from the Social Viewpoint.**  
MR. VERNON JONES

ST208b. **Principles and Problems of Education in Wartime.**  
MR. VERNON JONES

ST231a. **Psychology of the Emotions with Special Reference to the War.** MR. FISCHER

ST141a. **Psychology of Advertising and Selling.** MR. FISCHER

## PHYSICS AND MATHEMATICS

### PHYSICS

ST11. **General Physics.** MR. ROOPE AND MR. GUNTER

ST12a. **Fundamentals of Radio.** MR. ROOPE

ST16b. **Optics.** MR. GUNTER

### MATHEMATICS

ST10-11a. **Second Half of Freshman Mathematics.**  
MR. MELVILLE

ST15b. **Elementary Statistics.** MR. MELVILLE

ST12. **Analytical Geometry and Calculus.** MR. MELVILLE

## ROMANCE LANGUAGES

### FRENCH

ST14. **Readings in French Literature.** MR. DOUGHERTY

### SPANISH

ST11. **Introductory Spanish.** MR. DOUGHERTY

ST12. **Intermediate Spanish.** MR. CHURCHMAN

## The Degree of Bachelor of Education

The degree of Bachelor of Education is offered to teachers, both men and women, who have completed a two-year normal school course, or its equivalent, and who have had at least one year of experience in teaching. Candidates for this degree are under the direction of the Committee on Extension Courses and Special Students.

Credit toward this degree may be earned in regular college courses, in summer school, and in afternoon and evening courses offered in the university especially to meet the needs of candidates for this degree ("Courses of College Grade for Adults"). Study outside of regular classes conducted under the auspices of a recognized institution of college grade cannot be accepted for credit, although such study may be the basis of relief from requirements in particular subjects.

A teacher in active service may normally earn a maximum of four semester hours of credit in each semester of the academic year and six hours in a six-week summer school.

The program leading to the degree includes requirements in English, foreign language, laboratory science, social science and education.

### RULES AND REGULATIONS

*It is impossible to cover explicitly, by rule, all situations which may arise in the absence of a fixed curriculum and with the possibility that credit toward the degree may be obtained from a variety of sources. The committee is guided by the general purpose to maintain a reasonable standard, involving suitable choice of courses and satisfactory performance in them.*

The more important rules affecting candidates for the degree of Bachelor of Education are as follows:

**ADMISSION:** Only those who have completed a two-year normal school course or the equivalent may be admitted to candidacy for the degree of Bachelor of Education.

An application for admission to candidacy must be made in writing on a form which may be obtained from the university Recorder. An application should be accompanied by evidence of graduation from a standard high school and an *official* record of all study by the applicant in normal school and college.

Applicants are notified in writing of action on their applications. Such notice in the case of those accepted includes a statement of credit allowed on records submitted, and of any special requirements.

**THE MATRICULATION FEE,** \$5, must be paid for the purpose of opening an official record in the office of the university Recorder.

## CREDIT FROM OTHER INSTITUTIONS.

- a. Credit of 54 semester hours will normally be given for the completion of a standard two-year course in a normal school or teachers college. Less than this may be granted at the discretion of the committee in charge, and additional credit may be allowed for a longer period of study and for suitable work in extension courses or in summer schools. The total credit from other institutions may not exceed 90 semester hours.
- b. After admission to candidacy credit may be allowed for courses taken at approved universities, colleges, or normal schools, provided such courses are authorized in advance. In exceptional cases the committee may authorize credit for such courses taken without previous approval, but under no circumstances in excess of 75% of the face value of such courses.
- c. Not more than thirty hours of credit may be allowed for home study courses and extension courses taken with outside institutions. Such work is accepted from only a limited number of sources. This thirty-hour limit applies to the combined total of "home study" and "extension" courses.

## REQUIREMENTS FOR THE DEGREE.

- a. 120 semester hours of college credit, including advanced standing granted at the time of admission to candidacy.
- b. At least 30 semester hours of credit earned *in residence* at Clark University.
- c. At least one year's teaching experience or its equivalent.
- d. Requirements in particular subjects:
  - (i) Six semester hours in psychology or education, taken after the completion of the two year normal school course or its equivalent.
  - (ii) Six semester hours of laboratory science, taken after the completion of the two-year normal school course or its equivalent.
  - (iii) Ten semester hours of English, which may be taken in whole or in part in the normal school course.
  - (iv) Twelve semester hours in any *one* foreign language, which may be completed in whole or in part elsewhere than at Clark University. Evidence of the completion of this requirement may be supplied in the following ways: (1) by securing credit in course toward the degree for the twelve semester hours required; (2) by securing credit in course toward the degree for at least the last four semester hours normally required to complete the twelve hour requirement; (3) by passing satisfactorily an examination set by Clark University.



- (v) Twelve semester hours of economics, geography, government, history, or sociology, at least six of which must be taken after the completion of the two-year normal school course or its equivalent.

**STANDARD OF SCHOLARSHIP.** A grade better than D+ is required in three-fourths of all credit accepted toward the completion of the requirements for the degree.

**LAPSE OF CANDIDACY.** Candidacy for the degree terminates automatically whenever for a period of two years or more a candidate has failed to complete any courses in Clark University yielding credit toward the degree. A candidacy terminated under this rule may be renewed by action of the committee in charge. Such renewal may involve a revision of allowances previously made, both in respect to total credit and requirements in particular subjects.

**DIPLOMA FEE.** The diploma fee, \$5, should be paid to the Bursar not later than the beginning of the term in which the requirements for the degree will be completed.

#### SPECIAL COURSES FOR TEACHERS

Special courses for teachers in service (extension courses) given at times which avoid conflict with school sessions, have been offered for many years. Because of various changes brought about by the war it has not been feasible to continue such offerings for the current year.

# The Army Specialized Training Program

## STAFF

WALLACE WALTER ATWOOD, President of Clark University.

NEWTON WELLINGTON ALEXANDER, Lieutenant Colonel, U. S. Army. Commandant.

### BASIC ENGINEERING DIVISION

DAVID MITCHELL DOUGHERTY, PH.D., Associate Professor of Romance Languages. Director.

BENJAMIN SHORES MERIGOLD, PH.D., Sc.D., Professor of Chemistry.

H. DONALDSON JORDAN, PH.D., Professor of English History.

CAREY EYSTER MELVILLE, A.B., Professor of Mathematics.

PERCY MARTIN ROOPE, PH.D., Professor of Physics.

G. NORMAN PALSER, B.S., Professor (affiliate) of Mechanical Drawing.

A. HARRY WHEELER, A.M., Professor (affiliate) of Mathematics.

ROY C. GUNTER, PH.D., Assistant Professor of Physics.

NORRIS D. HOYT, PH.D., Assistant Professor of English.

ARTHUR EARL MARTELL, PH.D., Assistant Professor of Chemistry.

EDWIN C. ROZWENC, PH.D., Assistant Professor of American History.

JOHN B. SAMPSON, PH.D., Assistant Professor of Physics.

HENRY J. WARMAN, Ed.M., Assistant Professor of Geography.

PAUL F. MARBLE, A.M., Instructor in English.

MARTIN HENRY LITTLE, A.M., Laboratory Assistant in Chemistry.

EDWARD ELLIOTT SINCLAIR, A.B., Laboratory Assistant in Chemistry and Physics.

### FOREIGN AREA AND LANGUAGE DIVISION

SAMUEL VAN VALKENBURG, PH.D., Professor of Geography. Director.

SAMUEL J. BRANDENBURG, PH.D., Professor of Economics and Sociology.

W. ELMER EKBLAW, PH.D., Professor of Geography.

DWIGHT E. LEE, PH.D., Professor of Modern European History.

H. DONALDSON JORDAN, PH.D., Professor of English History.

HENRY M. BOSSHARD, PH.D., Professor of German.  
 DANIEL C. DENNETT, JR., PH.D., Assistant Professor of History.  
 PAUL FISHER, J.D., Assistant Professor of Economics.  
 JOHN A. SPAULDING, PH.D., Assistant Professor of German.  
 ANTONIO J. CUFFARI, A.B., Assistant Professor of Italian.  
 THEO P. THEODORIDES, M.A., Assistant Professor of Modern Greek.  
 CLEMENS BAILLOU, Drillmaster in German.  
 ADA BENELLI, Drillmaster in Italian.  
 SANDRO BENELLI, Drillmaster in Italian.  
 ARTHUR S. KANARACUS, A.B., Drillmaster in Greek.  
 PHILIP M. PALMER, PH.D., Drillmaster in German.  
 DOMINIC SCALERA, Drillmaster in Italian.  
 HILDA WEISS, PH.D., Drillmaster in German.

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Clark University participated in the educational undertaking set up by the United States Army and designated as The Army Specialized Training Program, which provided training, at the college level, of selected groups of enlisted men.

An "A.S.T. unit" of three hundred men was stationed at the university from August 1943 until the program was discontinued in March 1944. The men were housed in the university dormitories, in a residence owned by the university and in what was formerly the college gymnasium on the ground floor of Jonas G. Clark Hall. The university dining hall was taken over by the army for its mess hall, and the gymnasium was used for headquarters, infirmary and drill hall.

The educational program for the unit provided for a Basic Engineering Group of one hundred seventy-five men and a Foreign Area and Language Group of one hundred and twenty-five. The curriculum for the engineering group was based on mathematics, physics and chemistry, and also included history, English, geography, economics and mechanical drawing. Sixty of the men in this group were assigned to a special intensive program in acoustics and optics. In the area and language group the principal emphasis was on intensive training in foreign languages (German, Italian and modern Greek) together with history, geography and economics.

Instruction was carried on by the regular staff of the university, assisted by others who were engaged specially for the A.S.T. program. Classes were entirely distinct from classes in the civilian college but used the same rooms at times which avoided conflicts

with civilian classes. The subject matter of the various courses corresponded in general to the content of regular university courses in the same subjects. The soldier students were graded according to the plan in use at the university and records are available at the office of the university Recorder.

The A.S.T. program differed from a regular college program in a number of particulars. The students were under military discipline in regard to class attendance and study periods. They were tested at frequent intervals, and were promptly disciplined for any failure to maintain satisfactory ratings. Subject matter normally covered in a year of college work with classes meeting three times weekly, was covered in twelve weeks with five or six meetings weekly. The average allotment of one hour of preparation for each "contact hour" with the instructor was only half of the normal college expectation. Instructors were, as a rule, meeting classes at least fifty per cent more often than had been customary, and were responsible for a greatly increased number of students.

It remains to be seen whether the experience gained under these novel conditions, will contribute to the practice of college teaching under normal conditions.

The names of students in the A.S.T. unit are listed in the "register", list IV.



## Historical Note

Clark University owes its existence to the interest in higher education of Jonas Gilman Clark, who was born at Hubbardston, Worcester County, Massachusetts, February 1, 1851. Conscious of the meagerness of his own early educational opportunities, he devoted his later years to the establishment and nurture of the institution which bears his name. In this he was ably assisted by his wife, Susan W. Clark, and by prominent citizens of Worcester. Mr. Clark died at Worcester on May 23, 1900.

The charter of the University was granted by the General Court of Massachusetts in 1887. The Graduate Division, with Granville Stanley Hall as president, received its first students in 1889. Special provision was made in Mr. Clark's will for the establishment of an Undergraduate Division with its own president but under the same general control as the Graduate Division. Carroll Davidson Wright was chosen president of the Undergraduate Division and students were first received in October, 1902. After the death of President Wright in 1909, Edmund Clark Sanford, then Professor of Psychology in the Graduate Division, was chosen as President of the college.

In June, 1920, Presidents Hall and Sanford resigned and Wallace Walter Atwood was elected to the presidency of both the Graduate and the Undergraduate Divisions of the University.

During the academic year 1920-21 the two faculties continued their separate organizations while plans for unification were being worked out. These plans, approved by the Board of Trustees, went into effect in 1921-22 and provided for the fusion of the two faculties into a single body.

With the election of President Atwood, provision was made for the establishment of a Graduate School of Geography, and work in that school was begun in the fall of 1921.

The Women's College was established in 1942 and received its first students in September of that year.

A Summer School with a six weeks' session has been conducted each year, beginning in 1921 until interrupted by the war-time program in 1942.

Beginning with the summer of 1942 the university has operated on a year-round program including a twelve-week summer term, divided into two six-week sessions. The second session has been designed to meet the needs formerly served by the Summer School.

A unit of the Army Specialized Training Program was stationed at the university from August 1943 to March 1944, when the program was discontinued.

# Degrees Conferred

## In the Calendar Year 1943

### BACHELOR OF ARTS

Donald Allain	Frederick Bartlett Lidstone
Lloyd Anderson	Vincent Joseph Longo
Roy Stuart Anderson	Herbert Luebbe
(With honors in chemistry)	Hugh Michael McGovern
Robert George Appenzeller	Charles Stebbins Morgan
John Patsy Augelli	Charles Arthur Morris
(With honor in general course)	(With honor in general course and
Cyrus Lloyd Blanchard	honors in chemistry)
William Richard Brotherton	Lester Henry Nelson
Leonard Cohen	Forrest Harvey Norris, Jr.
(With honors in psychology)	Clare Marie O'Gorman
Norman Donat Comeau	Earl Hugo Olson
Alice Helena Crowe	Harry Dawson Orr, Jr.
Pat Denardo	Arthur Palley
Lawrence John Derry	Murton Edward Raphaelson
Ralph Ditchik	Earl Allen Reiman
Roger Joseph Dufresne	Heinz Rettig
Allen Stanley Dunbar	Neal Riemer
(With honor in general course and	(With high honor in general course
honors in physics)	and honors in history and interna-
Dexter Morgan Easton	tional relations)
(With honor in general course)	Chester Landy Rudman
Hyman Epstein	Irving Edward Sigel
Hildreth Hamilton Fisher	(With honor in general course and
Charles Francis Gately	honors in psychology)
John Henry Gaucher	Edward Elliot Sinclair
Leroy Nelson Hastings, Jr.	(With high honor in general
John Augustus Hawkins	course)
George Philip Hébert	Albert William Smith
Ernest William Hollows	(With honor in general course and
Wilbert Jephtha Humphlett	honors in geography)
Gertrude Frances Hunt	Burton Victor Sponberg
Malcolm Kent Jones	Lloyd Russell Stevens, Jr.
(With high honor in general course	David Leon Stone
and honors in romance languages)	(With honors in economics and
Lawrence Thomas Kane	sociology)
Vincent William Kaselis	Lillian Evangeline Sundeen
Hanford Langdon King, Jr.	Benjamin Tuerk, Jr.
Robert Ford Kirkpatrick	Anthony Demetrius Vamvas, Jr.
Robert Louis LaRiviere	Effie Vranos
Paul Albert Lauf	Russell Arthur Wheeler
Charles Ernest Lenk	Lloyd Arthur Williams
Albert Kendrick Lennan	Leo William Ziemlak

### BACHELOR OF BUSINESS ADMINISTRATION

Bennie Segal

Carl John Stringer, Jr.

## BACHELOR OF EDUCATION

Normand Lucien Bernard  
 Anna Blamid Carey  
 Delna Pauline Carlstrom

Rita Caradonna Horton  
 Meverette Rose Smith  
 Stuart Waldron Van Cott

## MASTER OF ARTS

Lemonis John Argyropais  
 Helen Hoppe Balk  
 Mildred Marie Danklefsen  
 Robert Carlton Delk  
 Manuel O. Díaz  
 Philip Edward Emerson  
 Walter Lawrence Foy  
 Archie Greenberg

Earl Graves Jackson  
 Sheldon Jerome Korchin  
 Martin Henry Little  
 David Kai-Foo Loa  
 Mary Josephine Rowan  
 Mary Cameron Vogt  
 Irving Myer Weiss

## MASTER OF ARTS IN EDUCATION

Catharine Annette Burnham  
 Helen Sara Carroll  
 Elizabeth Mary Derby  
 Bernard William McCarthy

Mary Elizabeth McGann  
 Ruth Cunningham Redican  
 Julia Agnes Salmon

## DOCTOR OF PHILOSOPHY

Olier Ludger Baril  
 William Kling  
 Ruben Leroy Parson

Elmer Oscar Arthur Plischke  
 Roscoe Sawtelle Smith  
 Anthony Joseph West

## HONORARY DEGREES

Wat Tyler Cluverius  
 Esther Forbes  
 Joseph Clark Grew

Doctor of Laws  
 Doctor of Letters  
 Doctor of Laws

## SUMMARY

*Degrees in Course*

Bachelor of Arts	65
Bachelor of Business	
Administration	2
Bachelor of Education	6
Master of Arts	15
Master of Arts in Education	7
Doctor of Philosophy	6

*Honorary Degrees*

Doctor of Laws	2
Doctor of Letters	1

# Register

Names of students are grouped in four lists. I, graduate students, college students, and special students in attendance during the regular academic year; II, those who attended the 1943 Summer Term; III, candidates for the degree of Bachelor of Education; IV, students in the Army Specialized Training Unit.

## I. GRADUATE STUDENTS, COLLEGE STUDENTS AND SPECIAL STUDENTS IN ATTENDANCE DURING THE REGULAR ACADEMIC YEAR

Explanation: S—scholar; F—fellow; numerals 44, 45, 46, and 47 are used to classify undergraduates; g—students formally admitted to the graduate division; s—special students; AL—ancient languages; B—biology; Ch—chemistry; Ec—economics and sociology; Ed—education; En—English; FA—fine arts; Ger—German; G—geography; H—history and international relations; IA—international affairs; Ph—physics; Ps—psychology; RL—romance languages.

State omitted—Massachusetts; town omitted—Worcester; street names refer to streets unless otherwise indicated.

This list includes the name of all who have matriculated and registered. An asterisk (\*) indicates a student not in residence for the entire year.

NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
Abelson, Herbert Irving	47		1 Freeland
*Adamian, George	47		148 Dewey
Adlerz, Martha Linnea	47		7 Birmingham Rd.
Almgren, Helen Gertrude	47		556 Chandler
Almquist, Arden	44		Lanesboro Rd.
Anderson, Priscilla Marie	47	West Boylston	
*Ashley, Norma Jeanne	En s	Springfield	62 Elm
Auffrey, Henry Philip	45	Pittsfield	122 Woodland
Bagdigian, Dorothy Ann	En s		134 Elm
*Baljian, Nvart Rose	45		210 Chandler
Barriere, Eleanor Elizabeth	44		37 Dayton
*Barsoum, Peter, Jr.	47		183 Austin
Baxter, Lauren Earl	47	Sloansville, N. Y.	57 May
Becker, Jean Marie	47		17 Bellingham Rd.
Bedrosian, Azariah	H s, 46		53 Russell
Berberian, Henry Arthur	46, Ec s		17 Ormond
Bergstrom, Muriel Louise	47		747 Chandler
Bird, Grace Carol	44		43 Beeching
Bonofiglio, Nicholas Ralph	B s, 46		21 Branch
Bortman, David Richard	46	Dorchester	6 Charlotte
Bouley, Anita Elizabeth	47	Spencer	
Brearley, Betty	47		3 Dewar Dr.
Brennan, John David	46		33 Clement
Brigham, Barbara Ann	46		38 Winifred Ave.
Brigham, Donald Logan	47	Sutton	1 Gates Lane
Brodsky, Thelma Shirley	45		1 No. Woodford
Brown, Richard Carson	47		7 Marcy
Bubar, Jean Phyllis	47	Holden	
Burack, Harriet	46		1331 Main
Burns, Carolyn Jean	47		23 Gates
*Butler, Mary Catherine	46		7 Creswell Rd.
*Cagen, Victor Harold	44		22 Carlisle
*Camp, Edward C., Jr.	47		2 Claremont Sq.
Camp, Georgiana	46		2 Claremont Sq.
Campbell, William Aloysius	B F	Cherry Valley	Holy Cross College
Carlson, Catherine Marie	Ps s		27 Wyola Dr.
Carroll, Lillian Cecile	s, Ps g		21 Fruit
*Carroll, Margaret Mary	B s	West Upton	Worc. City Hosp.
Carroll, Mary Virginia	47		13 Jefferson
Cashen, Gertrude Bernardine	45		38 June
Cassidy, Clare Therese	46	Uxbridge	5 Benefit
Chigas, Gloria	47	Catskill, N. Y.	171 Woodland
Chouinard, Albert Eugene	Ch g		483 Pleasant
Cianko, George	47, B s		48 Beacon
Civin, Robert Henry	47	Spencer	
Cockrum, Thomas Chester	Ps s	Alhambra, Calif.	P.O. Box 57
Colton, Susanna Boylston	46		138 June



## REGISTER OF STUDENTS

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NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
Cotzin, Dorothy Selma	46		49 Woodland
Coyle, Jack Burton	47	Jersey City, N. J.	18 Shepard
*Coyle, Thomas Harrison	47	Jersey City, N. J.	18 Shepard
*Chao, Shu-Wen	G-g	Kirin, China	35 May
*Crathern, Dorie Anne	47		32 Willard Ave.
Crowe, Alice Helena	44, H g		5 Michigan Rd.
Crowe, Lois Elizabeth	45		5 Michigan Rd.
Crowe, Robert Stephen	B F		6 Ripley
*Dacey, William	G s	Princeton	
*Davidonis, Aldona	47		14 Hillside
*Deranian, Hagop Martin	44		492 Park Ave.
Dion, Louis Ferdinand	B g		Assumption College
Donovan, Margaret Rita	Ed g	Millbury	
Doolittle, Jane Emerson	46		48 Havelock Rd.
Doolittle, Nancy	45		9 Rexhame Rd.
Doran, Elizabeth Mary	44		76 Paine
Doyle, Ann Marie	46		930 Main
*Drew, Dorothy Ellen	Ec s		16 Massasoit Rd.
Driscoll, Florence Frances	46		48 Arlington
Dufresne, Ruth Marie	47	Northboro	
Dupsha, Albert Robert	47		14 Harlem
Dzikiewicz, Edmond Bernard	46		55 Olga Ave.
Edwards, Ruth	Ger s	West Boylston	
Eisnor, Edward Blake, Jr.	Ed g	Leicester	
Emerson, Eleanor Margaret	46	Webster	
Ericson, Ruth Emelia	44	Hamden, Conn.	57 Downing
Ermak, Mary	46	Farnumsville	
Farinelli, Angela Marie	47		43 Atlanta
Fass, Eleanor Lillian	G S	Milwaukee, Wis.	18 Shepard
Feingold, Golda Muriel	46		925 Pleasant
Feldman, Eli Morton	Ps g, S	Brooklyn, N. Y.	48 Downing
Finneran, Eleanor Aileen	47		5 Beechmont
Fiorillo, Domenic Donald	47		112 East Central
Flynn, Marie Virginia	46		53 Sagamore Rd.
Fox, Lawrence	44	Albany, N. Y.	4 Downing
Foy, Walter Lawrence	Ch F	West Springfield	4 Downing
Frey, Irma Gloria	47	Clinton	
Frick, Esther Helen	G g	Little Rock, Ark.	12 Wyman
Furman, Martha	Ps s, g	Brooklyn, N. Y.	2 Downing
Gamoian, Roxy	46	Whitinsville	
Ganzburg, Muriel Baker	47		773 Pleasant
*Gebski, Lester Bruno	47		10 View
*Gentle, Sally Elizabeth	47		130 Elm
Gilman, Thelma T.	Ps S	New York, N. Y.	3 Shirley
Gilson, Thomas Quinlevan	Ps g		7 Brighton Rd.
*Giuffrida, Matthew Roland	46		197 Belmont
*Gleason, Dorothy Mary	H s		46A Elm
*Glover, Everett Dow	B s	North Grafton	
Goldstein, Harriet S.	47		1 Kensington Heights
*Gordon, Edith	Ec s		85 Granite
Goreau, Thomas Fritz	46	New York, N. Y.	7 Hawthorne
Griffin, Carl Raymond, Jr.	46	Rutland	
*Grodberg, Marcus Gordon	44		112 Elm
Guay, Leo James	Ch F		Holy Cross College
Gullberg, Norma Lorraine	46		927 Grove
Gurfinkel, Abraham Leon	47		26 Carlisle
Gutridge, Stanley Holmes	45		11 Prospect
*Haddad, Edward Nicholas	47		113 Fairmont Ave.
Haddad, Ruth Ellen	47		2 Dartmouth
Hamel, Virginia Rita	46		35 Eunice Ave.
Hartocollis, Effie	44		126 Coolidge Rd.
Hayden, William George	47	Springfield	2 Wyman
Heon, Pauline Florence	46		12 Wellington
Heslinga, Gerald John	45	Millbury	
*Hicks, Walter Braxton	47		36 Clover
Highberg, Emeline Colburn	46		40 Monterey Rd.
Hokans, Nancy Carol	46		61 Everard
*Horton, Rita Caradonna	44		4 Northboro

NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
Hovenesian, William Markar	47		43 Highland
Hughes, Mary Hazel	s		638 Pleasant
*Humphlett, Wilbert Jephtha	Ch g	Agawam	4 Downing
Hurwitch, Dorice Fennette	47	Shrewsbury	
Irizarry, Julio	46	Yauco, P. R.	122 Woodland
Jacobs, Theodore Burton	47	Dorchester	11 Charlotte
Jameson, Marie Loff	47		56 Bowdoin
Jasen, Leonard Jay	47	Bronx, N. Y.	100 Woodland
Jerome, Kathryn Ann	47		28 Circuit Ave.
Johnson, Arthur Russell	46		53 Raymond
Johnson, Carol Louise	45		184 Clark
*Johnson, Ralph Russell	47		59 Orchard
Johnston, Ruth	45	Spencer	
Joress, Sumner, Mark	46	Falmouth Heights	6 Downing
*Kalil, George	Ps g		269 Fairmont Ave.
*Kanaracus, Arthur Stauros	Ed s		15 William
Kane, Katherine Virginia	45		83 Charlotte
Karle, Priscilla	44		34 Hackfield Rd.
Kelliher, Eleanor Catherine	45		24 Howland Ter.
Kesner, Morris Reuben	46		27 Providence
*Kilpatrick, Richard Hardie, Jr.	45	Sterling	
Kneller, Leighton Alvin	47		10 Hitchcock Rd.
Knipe, Grace Gwendolyn	46		27 Marland Rd.
*Koppel, Sylvia	Ps S	Brooklyn, N. Y.	941 Main
Kosciusko, Rita Elizabeth	47	Grafton	
Krakenberger, Cecile Elisabeth	47		72 Salisbury
Krieger, Robert Eugene	47		113 Beeching
Lacouture, Phyllis Marie	45	Millbury	
Lampron, Doris Elaine	47	Spencer	
*Langley, Alice Ethel	H S	Whitestone, N. Y.	35 May
Lavine, Richard Bennett	47	Webster	
Lavoie, Estelle Mary	47	Dudley	1016 Main
*Lee, Thomas Charles	Ger s		20 Loudon
*Leone, Anthony Daniel	47		112 Clayton
Litsky, Warren	46	Fitchburg	931 Main
Little, Martin Henry	Ch F	Millbury	
Loa, David Kai-Foo	G F	China	
*London, Lena	H F	Lake Mohegan, N. Y.	27 Wyman
Lovell, Marjorie Ethel	B s		69 Mason
Luksis, Lillian Anne	44		6 Arletta Ave.
MacShawson, Irving	46		941 Main
*Maguire, Mary Rose	Ps g	Clinton	
*Malm, Olive Dorothy	Ger s		46 Woodland
Malumphy, Thomas L'Herbette	B F	Housatonic	667 Main
Mandeville, Kathryn Gladys	Ed g		45 Institute Rd.
Manna, Angela Gertrude	47		11 Seward
*Marden, Janet Elizabeth	46	West Boylston	
Marlborough, Margaret Ann	Ed g	Millbury	
McCann, Marion Margaret	45		55 Longfellow Rd.
McCarthy, Anne Marie	46		513 Cambridge
McClure, Barbara Helen	47	Upton	
McCrealy, Marie Agnes	44		66 Seymour
McDonald, Ina Marie-Denise	47		90 Lakewood
McKenny, Ann Marie	46		99 June
McNamara, John Webster	47		40 Chamberlain Pkwy.
*Menchini, Mabel Maria	47		82 Monadnock Rd.
*Michelman, Shirley Miriam	47		18 Stockton
Milman, Shirley Irma	47		51 Brantwood Rd.
Miskavich, Joseph Peter	46		4½ Sigel
Morel, Robert Edward	45	Hudson	6 Charlotte
Murphy, Alice Veronica	45		305 Massasoit Rd.
Murphy, Eleanor Jean	47		291 Beverly Rd.
*Murray, Vera	Ps s		112 Woodland
Nanigian, Stella	46	Paxton	
Nelson, Paul Edward	47		6 Victoria Ave.
*Nicholas, Malama	AL s		26 Woodland
Norris, Barbara Anne	46	East Bridgewater	18 Downing

## REGISTER OF STUDENTS

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NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
O'Connor, Bette Ann	Ps g		3 Westwood Dr.
O'Flynn, Ruth Ellen	46		7 Fiske
Orinofsky, Florence	Ps S	New York, N. Y.	9 Clifton
*Orr, Harry Dawson, Jr.	44		36 Bellingham Rd.
*Osborn, Caroline Lois	s		610 Pleasant
*Paldino, Rita Louise	44		124 Dorchester
Pantos, Marguerita	47	Spencer	
Pappas, Daniel James	47	Webster	
Parker, Barbara Bernice	46	Holden	
Paskevich, Cyprus Joseph	47	Nashua, N. H.	33 Queen
Paterson, Wentworth D.	47	Hubbardston	766 Main
*Pearlman, Mary Ruth	B s		25 Catherine
Perkins, Carl Wakefield, Jr.	44	Fitchburg	
Peterson, George Alfred, Jr.	47		1 Woods Ave.
Pileggi, Julia Rose	47		102 Elm
*Pincus, John Alexis	46		60 Downing
*Porter, Rebekah Jane	44	Brookline	24 Gates
Price, Gordon Stephen	44	Fitchburg	122 Woodland
Putnam, Joy Lina	44	Sutton	
*Quaiel, Philip Joseph	46		20 Circuit Ave.
Queen, Adelle Lucille	45		139 Providence
Radzik, Alexander John	47		136 Endicott
*Resnick, Oscar	44	Winchendon	42 Freeland
Rettig, Estelle Huff	45	Holden	
Rice, Geraldine Elizabeth	47		3 Lowell
Robinson, Helen Marjorie	44	Jenkintown, Pa.	939 Main
Rodier, Nancy Katherine	44	Lee	5 Columbine Rd.
Ronnholm, Paul Frederick	45		20 Auburn
Russell, Margaret Mary	46	Millbury	
*Salmon, Edward Philip	Ed g		27 Bellingham Rd.
Sampson, Donald Harding	46		12 Lowell
Sampson, Elizabeth Barton	47		2 Wetherell
*Sampson, Virginia Wade	RL s		6 William
Sanford, Millicent Jean	47	Clinton	
Savaria, Georgette Yolande	46		9 Beverly Rd.
Sawyer, Theodore Allen	47		64 King
Schneider, Keith Morton	46	New York, N. Y.	100 Woodland
Senecal, Irene Phyllis	44		82A Pleasant
*Shawmut, Paulina Celia	44		11 Iowa
Sheahan, Virginia Byrnes	45		257 Chandler
Shulman, Bernard Herman	46	Dorchester	6 Charlotte
*Sinclair, Edward Elliot	Ch S		4 Downing
*Singer, James Pious	46	Collingswood, N. J.	156 Woodland
*Singer, Rose	Ed g		25 Ethan Allen
Sleeper, Murray Franklin	44		27 Sylvan
Slein, Mary Madeline	46		12 Ashton
Smith, Donald Everett	Ed g	Delmar, N. Y.	Worc. Poly. Inst.
Smith, Marilyn Ethel	47	Sutton	
*Stagg, Paul	Ed g		83 June
Stevens, Allison Page	47	Marlboro	
Stone, Alton Harold	47	Gardner	
Stuebi, Winifred Louise	47		275 Lincoln
Sullivan, Barbara Marie	47		92 Chatham
Sullivan, Edward Patrick	Ec s, 46		466 Park Ave.
Swasey, Paul Edward	47		6 Birch
Tait, Pauline Mae	47		10 Suburban Rd.
*Tanona, Alexandra Carol	En s		40 Hitchcock Rd.
Tashjian, Helen Elizabeth	47	West Boylston	
*Teran, Gerald	46		12 Allendale
Theodore, Louise	FA s		8 Bluff
Trowbridge, Nancy	B s		46 Massachusetts Ave.
Tuttle, Jean Wishart	47		125 Malvern Rd.
*Vance, James Elmon, Jr.	46	Natick	4 Downing
Varjabedian, Arpine	47		14 Goulding
Vaskas, Edmund John	47, Ec s		107 Sterling

NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
Wawrzyniak, Loretta Anne	46	Webster	
Weiser, Mona	47		48 Downing
*Weiss, Irving Myer	B s		8 Lagrange
Werblin, Ruth Diana	46		28 Richmond Ave.
Westland, Erma Elizabeth	46	Frazer, Mont.	14 Claremont
Wheeler, Barbara Claire	46	Leominster	
*White, Arland Case	IA g	Sodus, N. Y.	35 May
Wile, Robert Pershing	46, B s		41 Stafford
Yagjian, Arthur	44		3 Lapierre
Yoffe, Graenem Abba	46		6 Woodford
Zallen, Helen Margaret	47		76 Granite
Ziemiak, Leo William	Ch g	Pittsfield	70 Greenhill Pky.
Zurawinski, Haline Therese	46		72 Fairfax Rd.

## II. SUMMER TERM STUDENTS (1943)

Abelson, Herbert L., Worcester  
 Adlerz, Martha L., Worcester  
 Almquist, Arden, Worcester  
 Anderson, Henry R., Worcester  
 Army, Madeline J., Worcester  
 Ash, Warren H., Worcester  
 Atamian, Charles, Whitinsville  
 Auffrey, Henry Philip, Pittsfield

Babigian, Christopher, Worcester  
 Banks, Marian B., Toronto, Canada  
 Barre, Mary E., Leicester  
 Barriere, Eleanor E., Worcester  
 Barsoum, Peter, Jr., Worcester  
 Baxter, George J., Worcester  
 Berlyn, Sumner, Worcester  
 Bernier, Emil L., Webster  
 Bieberbach, Jean C., Worcester  
 Bilsey, Barbara M., Worcester  
 Blunt, Roscoe C., Jr., Worcester  
 Bortman, David R., Dorchester  
 Bourdages, Remi J., Spencer  
 Brigham, Barbara A., Worcester  
 Brigham, Paul L., Northboro  
 Brodsky, Thelma S., Worcester  
 Brooks, Kenneth A., Jr., Worcester  
 Brown, Richard C., Worcester  
 Burwick, Estelle B., Worcester  
 Butler, Susanne, Worcester

Cagen, V. Harold, Worcester  
 Camp, Georgiana, Worcester  
 Candlin, Mary K., Worcester  
 Carey, A. Blamid, Worcester  
 Carroll, Lillian C., Worcester  
 Carter, Rosalind, Highland Springs, Va.  
 Chandler, Arnold E., Worcester  
 Chavoor, Ashur G., Worcester  
 Ciano, George, Worcester  
 Clutter, James H., Monongohela, Pa.  
 Cockrum, Thomas C., Alhambra, Calif.  
 Cohan, Pauline H., Worcester  
 Cohen, Doris, Worcester  
 Cohen, Stuart M., Worcester  
 Conant, Virginia L., Worcester  
 Cote, James J.  
 Cragg, Myrtle, North Hills, Pa.  
 Crowe, Alice H., Worcester  
 Cutting, Jean P., Holden

Dacey, William, Princeton  
 D'Alessandro, Frances A., Worcester  
 Daniels, Richard C., Cherry Valley

Day, John L., North Falmouth  
 Demers, Florida G., Worcester  
 DeMille, Mary E., Framingham  
 Deranian, Hagop M., Worcester  
 Deshayes, Edward J., Worcester  
 Ditchik, Ralph, Long Beach, N. Y.  
 Donnelly, Rosemary, Worcester  
 Donovan, Margaret R., Millbury  
 Doran, Elizabeth M., Worcester  
 Dufresne, Roger J., Shrewsbury  
 Dzikiewicz, Edmond B., Worcester

Easton, John R., Pigeon Cove  
 Eaton, Louise S., Worcester  
 Eaves, John, Jr., Southbridge  
 Ebenstein, Shirley R., Worcester  
 Ekblaw, Elsa May, No. Grafton  
 Eliopoulos, James N., Worcester  
 Epstein, Hyman, New Bedford  
 Ermak, Mary, Farnumsville

Finn, Eileen M., Leicester  
 Fiorillo, Domenic D., Worcester  
 Fisher, Eugene R., Worcester  
 Fisher, Hildreth H., Spencer  
 Fox, Lawrence, Albany, N. Y.

Gadon, Herman, Worcester  
 Ganzburg, Muriel B., Worcester  
 Gardner, Paul J., Worcester  
 Gaucher, John H., Millbury  
 Gebski, Lester B., Worcester  
 George, Claire A., Worcester  
 Giuffrida, Matthew R., Worcester  
 Goreau, Thomas F., New York, N. Y.  
 Grodberg, Marcus G., Worcester  
 Gullberg, Norma L., Worcester  
 Gurfinkel, Abraham L., Worcester  
 Gutridge, Stanley H., Worcester

Hartocollis, Effie, Worcester  
 Healey, Frank H., Jr., Fitchburg  
 Hirst, Harriet E., Dundee, N. Y.  
 Howe, Shirley, Worcester  
 Huff, Estelle A., Holden  
 Hughes, Emma King, Worcester  
 Hughes, M. Hazel, Worcester  
 Hunt, John D., Worcester  
 Hurwitch, Dorice F., Shrewsbury

Igoe, Genevieve A., No. Brookfield  
 Jarvis, David S., Worcester



Jasen, Leonard J., Bronx, N. Y.  
 Johnson, Arthur R., Worcester  
 Johnson, Bertha A., Grafton  
 Jordan, Helen S., Clinton  
 Jorress, Sumner M., Lynn  
 Jurva, Thelma H., East Jaffrey, N. H.

Kane, Lawrence T., Worcester  
 Katkauskas, Alice B., Worcester  
 Kaufman, Mendel J., Worcester  
 Kellstrand, John S., Worcester  
 Kelly, Janice T., Gardner  
 Kelly, Madeline M., Gardner  
 Kelly, Virginia A., Gardner  
 Kesner, Morris R., Worcester  
 Kneller, Leighton A., Worcester  
 Knipe, Grace G., Worcester  
 Korgen, Mollie, Cloquet, Minn.  
 Kosciusko, Rita E., Grafton  
 Kotilainen, Irma I., Millbury  
 Kuivila, V. Theresa, Worcester  
 Kuniholm, Carl A., Gardner

Lanphear, Dorothy M., Southbridge  
 Lavine, Richard B., Webster  
 Lee, T. Charles, Worcester  
 Lenti, Frank M., Worcester  
 Lewis, Helen E., Worcester  
 Litsky, Warren, Fitchburg  
 Luebke, Carl, Upton  
 Luebke, Herbert, Upton  
 Luksis, Lillian A., Worcester

MacShawson, Irving, Worcester  
 Mandeville, Kathryn G., Worcester  
 Martin, Stuart H., Worcester  
 Martin, William B., Jr., Ashburnham  
 Masiello, Carlo A., Worcester  
 McCarthy, A. Marie, Worcester  
 McCrealy, Marie A., Worcester  
 McDonald, Ina M-D., Worcester  
 McDonough, Robert R., Worcester  
 McHugh, Francis D., Worcester  
 McNamara, Charles W., Worcester  
 McQueeney, Therese F., Worcester  
 Milman, Shirley I., Worcester  
 Mirick, Sally A., Worcester  
 Miskavich, Joseph P., Worcester  
 Moengen, Anna, Hammond, Ind.  
 Moore, Jean, Canyon, Texas  
 Moran, Mary F., Worcester  
 Mrosek, John R., Manchester, Conn.  
 Murphy, Alice V., Worcester

Nelson, Donald R., Worcester  
 Nelson, Hersey B., Worcester  
 Nelson, Kenneth O., Worcester  
 Nordstrom, Everett R., Worcester  
 Nutting, Edmund W., Wellesley Hills,  
 Mass.  
 Nylund, Walter S., Worcester

Orr, Harry D., Jr., Worcester  
 Osten, Donald W., Jamaica, N. Y.

Pahigian, Noriar, Worcester  
 Paldino, Rita L., Worcester  
 Papale, Frank A. N., Jr., Worcester  
 Pappas, Alex M., Auburn  
 Pappas, Daniel J., Webster

Paradis, R. Isabelle, Worcester  
 Pineo, Evelyn B., Westboro  
 Pope, Edith, Walla Walla, Wash.  
 Price, Gordon S., Fitchburg  
 Prouty, Etta F., Shrewsbury

Radzik, Alexander J., Worcester  
 Resnick, Oscar, Winchendon  
 Rettig, Heinz, Worcester  
 Robie, Burton A., Fisherville  
 Rodier, Nancy K., Lee  
 Ronnholm, Paul F., Worcester

Salem, Ernest L., No. Brookfield  
 Sampson, Donald H., Worcester  
 Savaria, Georgette Y., Worcester  
 Sawyer, Theodore A., Worcester  
 Schneider, Keith M., New York, N. Y.  
 Segal, Bennie, Worcester  
 Senecal, Irene P., Worcester  
 Sharfman, Katharine H., Worcester  
 Sherblom, Edward R., Holden  
 Shulman, Bernard H., Dorchester  
 Simmerer, Nancy R., Worcester  
 Sinclair, Edward E., Worcester  
 Singer, James P., Collingswood, N. J.  
 Slater, Irene K., Towanda, Pa.  
 Slein, Mary M., Worcester  
 Smith, Donald E., Delmar, N. Y.  
 Smith, George E., Jr., Worcester  
 Smith, Linda C., Cortland, N. Y.  
 Spreadbury, Bernice L., Southbridge  
 Steinberg, Sumner, Lawrence  
 Stevens, Allison P., Marlboro  
 Stone, Alton H., Gardner  
 Stringer, Carl J., Jr., Worcester  
 Stupak, Ralph J., Leominster  
 Sullivan, Edward P., Worcester  
 Sullo, Joseph G., Waterbury, Conn.  
 Swallow, Barbara J., Worcester  
 Swasey, Paul E., Worcester

Teran, Gerald, Worcester  
 Tolman, Ellen D., Auburn  
 Travers, William O., Jr., Worcester  
 Turk, Benjamin, Jr., Bayside, N. Y.  
 Tyler, Elizabeth A., Worcester  
 Tyson, Mazie O., Jacksonville, Fla.

Valentine, Leslie W., Millersburg, Ky.  
 Vance, James E., Jr., Natick  
 Van de Workeen, Ivan B., Jr., Worcester  
 Van Valkenburg, Mariane, Worcester

Wahlstrom, Esther M., Worcester  
 Wawrzyniak, Loretta A., Webster  
 Weeden, Olive G., East Providence, R. I.  
 Wehman, Laura, Burlington, Iowa  
 Weinstein, Charles, Worcester  
 Williams, Lloyd A., Jersey City, N. J.  
 Winchell, William H., Worcester  
 Wright, J. Clifton, Fitchburg

Yagjian, Arthur, Worcester  
 Yoffe, Graenem A., Worcester

Ziemiak, Leo W., Pittsfield  
 Zitowitz, Leon R., Worcester  
 Zizis, Olveria F., Worcester  
 Zulieve, Anthony J., Worcester

### III. CANDIDATES FOR THE DEGREE OF BACHELOR OF EDUCATION IN ATTENDANCE DURING 1943-44 EITHER IN THE 1943 SUMMER TERM OR DURING THE REGULAR ACADEMIC YEAR

Carey, A. Blaind  
Carroll, Lillian C.  
Eaton, Louise S.

Hughes, M. Hazel  
Kuivila, V. Theresa  
Osborn, Caroline L.

### IV. STUDENTS IN THE ARMY SPECIALIZED TRAINING UNIT, AUGUST 1943 to MARCH 1944

\*Indicates attendance for less than the full period of twenty-four weeks.

#### BASIC ENGINEERING 1.

\*Abramo, Louis J.  
Abramowitz, Donald  
Adams, William E.  
Astor, Saul D.

Baddorf, Charles W.  
\*Bahr, Richard G.  
Bealkowski, Zigmund J.  
\*Belliveau, James V.  
\*Blank, Mark E.  
\*Boleware, Harold D.  
Bowers, John N.  
Braverman, Jerome L.  
\*Brennan, James P.  
\*Brooks, Forest B.  
\*Brown, Sidney H.  
Burger, John H.  
\*Burnley, Robert C.  
Burson, Robert E.

Cantor, Nathan  
Carlock, Jr. George D.  
\*Chervenak, George S.  
Chin, Henry S.  
Chukerman, Irwin E.  
\*Ciperson, William L.  
Clarke, Thomas W.  
Cooper, Sam  
Corey, Philip A.  
Cox, John T.

Daigh, Robert V.  
\*Dolan, Jr. Frederick A.  
\*Dornath, Gerhard E.  
Drumeller, Jr. William F.  
\*Dunaway, Willie G.

Edwards, Arthur V.  
Emery, Clifford T.

\*Farmer, Clarence E.  
\*Flynt, Jr. Paul C.  
\*Franz, Donald C.  
Fuchs, Abraham J.

Galbreath, John W.  
Garthe, Robert W.  
\*Gluck, Mervyn N.  
\*Golby, Arthur D.  
\*Guild, Richard D.

Hakkinen, William  
\*Harris, Virgil J.  
Herbert, John  
\*Hillman, Albert

Hopkins, William W.  
\*Howe, Thomas W.

Keller, Adrian M.  
Klaus, Bernard A.

Larson, Raymond B.  
Lavallee, Albert L.  
League, Harry M.  
\*Livingston, Delmar F.

MacAvoy, Jr. John L.  
\*Manning, Ambrose N.  
Marks, Emanuel I.  
Matulis, Joseph T.  
McCall, Charles W.  
McCarty, Mark A.  
McCorkle, Ellis R.  
\*McDermott, John H.  
Morrin, John J.  
\*Munson, Keith W.  
\*Murphy, David A.  
Murphy, Jr. Leonard A.

Park, Roger T.  
\*Patchen, Robert J.  
Philpott, Hubert J.  
\*Pollard, Robert S.  
\*Price, Franklin S.

\*Rasmussen, Jr. John C.  
Ray, Robert B.  
Raymond, Francis G.  
\*Reed, Thomas E.  
Regan, John P.  
Rhoads, Jr. Jay R.  
Romig, David H.  
Rosenthal, Royal W.  
Rost, Orville P.  
\*Rozelsky, Theodore M.  
Russell, Richard E.  
\*Russell, James B.

Sartor, Severino  
Saxton, Francis M.  
Schilling, Robert P.  
Schnell, Roger M. B.  
Schuman, Stanley S.  
\*Scruggs, James Y.  
Shelley, John D. M.  
\*Shrake, Donald R.  
\*Sillman, Robert S.  
\*Silver, Bernard  
\*Sipe, Gordon G.  
\*Sirotti, Mario U.  
\*Smith, Sid R.

\*Smith, Theodore T.  
 Sosnik, Robert  
 \*Spahr, Dale E.  
 Spaulding, Roy P.  
 Sreenan, James J.  
 Staffin, Sydney  
 \*Stauffer, Fred H.  
 \*Stephens, Fred S.  
 \*Stillwagon, Edward R.  
 Strang, Durwood S.  
 \*Sullivan, Edward T.  
 Symons, Robert H.  
 Szortyka, Henry S.

\*Tillman, Jr. Edwin G.  
 \*Timmins, Vernon P.  
 \*Todd, Calvin M.  
 \*Turner, Jack M.

Van Etten, Robert C.

Watkins, Paul A.  
 \*Weisinger, Robert S.  
 \*Whalen, Norman D.  
 White, James W.  
 Williams, Jr. Porter  
 Wilson, Donald E.

Yoder, Charles A.  
 Young, William C.

Zalkind, Harold S.

#### BASIC ENGINEERING 5.

Abele, Ernest J.  
 \*Acree, James L.

Bispham, Jr. Edward K.  
 Blechar, Henry  
 Bock, Gerald E.  
 Bodnar, Michael J.  
 Burik, Joseph A.

Cecsarini, Harry A.  
 Conoley, Roscoe R.

\*Danielson, Olav  
 Deierhoi, Jr. William H.  
 Dionne, Jr. Edward A.

Filburn, Richard L.  
 \*Fitzgerald, Lawrence J.  
 \*Flink, Stanley E.  
 \*Fritz, John R.  
 Furst, Seymour

Glascock, Leon E.  
 \*Gordon, Richard M.  
 \*Grimes, William P.

Hammond, Francis J.  
 Harvey, Homer M.  
 Heyn, Jr. Clarence W.  
 Hicks, Herbert R.  
 Hufnell, Robert N.

Jackson, Robert L.

Kishbaugh, Ralph J.  
 Knaebel, Donald E.

Lanning, John G.  
 Levinson, Wilbur  
 Lichtman, Leon J.

Mai, Charles F.  
 Mandel, Joe  
 \*Mangold, Donald R.  
 Margolis, Burton Z.  
 Mason, John D.  
 \*McCarty, Billy D.  
 Michelstein, Jack  
 Mosbacher, Alfred S.  
 Mull, John C.

Ott, Hampton T.

Pardee, Clyde A.  
 Peterson, Albert E.  
 Pfeil, Robert J.  
 Pickering, Jr. Harold B.  
 Prince, John A.

Rieker, Walter C.

\*Schadt, Michel C.  
 Schoner, Robert A.  
 Schwartz, Arnold J.  
 Sears, Walter A.  
 Seymour, John W.  
 Schmidt, Donald A.  
 \*Simon, Henry B.  
 Smookler, Hilton  
 Southard, Everett E.  
 Stott, Charles B.  
 Swann, James A.

Tichnor, Alan J.

Wartinbee, Samuel C.  
 Weiskopf, Malcolm S.  
 \*Welansky, Irving

#### FOREIGN AREA AND LANGUAGE GROUP

Addalia, Charles J.  
 Alesi, Saverio C.  
 Alexander, Christopher M.  
 Ambrose, Delphin D.  
 Argyris, Chris  
 Arochas, Morris  
 Artemis, Paul J.  
 Asch, Julian F.  
 Ashe, Thomas R.  
 Askounis, James T.

Bailyn, Bernard  
 Baizer, Ashur H.  
 Baldwin, John R.  
 Becker, Aaron S.  
 Berti, Pete M.  
 Bobek, Emil M.  
 Bolch, Hans A.  
 Bonner, Thomas N.  
 Booras, George J.  
 Bramley, Malcolm E.

Carlino, George J.  
 Carter, Lawson A.  
 Cassano, Guido J.  
 Chotzen, Walter  
 Cochran, John A.  
 Cogoli, John E.  
 Colchamiro, Oscar  
 \*Colombo, Alessio A.  
 Coltun, Herbert H.  
 Constantinidis, George C.  
 Contos, George L.

\*Cournoyer, Robert P.  
Custer, Richard

De Jonge, Curt E.  
Diamond, Eli C.  
DiLibero, John W.

Eager, Richard B.  
Eberle, Robert C.  
Evans, Charles L.

Farinacci, Nicholas T.  
Fiedelbaum, Bertram  
Fioccapile, Anthony J.  
Fisher, Leo  
Frank, Hyman

\*Gardner, Robert T.  
Garel, Arthur  
Gelt, Harry  
George, Joseph E.  
Georgiades, George J.  
Giardina, Ippolito P.  
Golden, Henry  
Goldstein, Jerome D.  
Griffin, Daniel J.  
Guazzo, Dante E.  
Guild, Jr. Sydney T.

Hershkowitz, Abraham  
Herzog, Walter  
Hirsch, William  
Hirshberg, Edgar W.  
Horowitz, Martin

Kangles, Gust N.  
Kapenekas, Theodore J.  
Karkenny, Edward E.  
Karlikow, Abraham S.  
Kempin, Siegfried H.  
Kersch, Joseph W.  
Kinsey, Milton P.  
Kolgaklis, Theodore

\*Latorraca, Dominic  
Lavigne, Charles  
Levesque, Herbert W.

Maier, Emanuel  
Majorich, Jr. Charles S.  
Mantinband, James H.  
Manzi, Anthony  
Maurer, Walter H.  
McGrath, John B.  
McLeod, Richard H.

McQueen, Alfred J.  
McSweeney, Donald A.  
Mead, Edgar T.  
Meyer, Bert B.  
Mezera, Frank C.  
Mitakides, Andrew E.  
Mitchell, Donald P.  
Mohr, Leopold  
Molinas, Sam  
Most, Norman L.  
Most, Ralph C.  
Murray, Robert K.

OConnor, Farrell A.  
Ohringer, Arthur N.

Pape, Irving E.  
Pappas, Constantine P.  
Plastrik, Stanley R.  
Pliakas, III, Eustace T.  
Poggioli, Sante J.  
Porfiro, Hector S.  
Prather, William C.  
Pupo, Salvatore A.

Quinn, Francis J.

Rehfield, Eric  
Reiche, Arnold T.  
Rice, Jr. Eugene F.  
Roberts, Jr. Warren  
Rosenbloom, Victor H.  
Rothschild, Kurt J.  
Rowan, Mark

Saenger, William  
Salzman, Jacob  
Schechter, Roy  
Schneyer, Solomon  
Shorall, George  
Slaugh, Robert D.  
Soter, George N.  
Spinelli, Edward C.  
Stamatopoulos, Nick S.  
Steinman, Edwin M.  
Stevan, Mitchell

Touloupas, John Z.  
Toyster, Jacob I.  
Tunison, John R.

Vericella, Charles A.

Wechsberg, Henry



## SUMMARY 1943-44

Undergraduates		199
Freshmen	87	
Sophomores	63	
Juniors	22	
Seniors	27	
Graduate Students		36
Special Students		34
Summer Term Students (1943)		223
		<hr/>
Total		492
Less Duplications		95
		<hr/>
Net Total		397
Students in Army Specialized Training Unit		300

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## Inquiry Blank

Correspondence should be addressed as follows:

Regarding admission to the college or to the summer term, to the Dean of the College.

Regarding admission to the graduate school, to the chairman of the department in which the applicant is interested.

Regarding admission as a special student or as a candidate for the degree of Bachelor of Education, to the Recorder.

Applications should be filed as early as possible. *Unduly late applications may fail to receive consideration.*

Applications for admission in September should, so far as is possible, be filed before March 1.

### CLARK UNIVERSITY

#### REQUEST FOR "APPLICATION FOR ADMISSION" BLANKS

Name .....  
(Last name) (First name) (Middle name)

Mail address .....  
.....  
.....

I am interested in admission to (please check below):

The men's college .....

The women's college .....

The graduate school .....

I am particularly interested in the department or division of:  
.....  
.....

I plan to enter (date) .....

Date of this application .....









# CLARK UNIVERSITY

Convocation

March 2 1944



WORCESTER MASSACHUSETTS



## Order of Exercises

Processional

CARL S MALMSTROM  
Organist

The National Anthem

(The audience is asked to sing the first and third stanzas,  
the third being herewith printed)

3. Oh, thus be it ever when freemen shall stand  
Between their loved homes and war's desolation!  
Blest with victory and peace, may the heaven rescued land  
Praise the Power that hath made and preserved us a Nation!  
Then conquer we must, when our cause it is just,  
And this be our motto, "In God is our trust!"  
And the Star Spangled Banner in triumph shall wave  
O'er the land of the free and the home of the brave!

Convocation Address

THE HONORABLE WILLIAM A BENNETT  
Mayor of the City of Worcester

Conferring of Certificates and Degrees

Charge to the Army men

LIEUTENANT COLONEL NEWTON W ALEXANDER

Message from the President

Recessional

The audience will kindly remain  
standing during the recessional

## Candidates for the ASTP Certificate Foreign Area and Language Section

addalia, Charles J.	Sgt.	Fisher, Leo	Pfc.	Mitakides, Andrew E.	Pfc.
alesi, Saverio C.	Tec. 5	Frank, Hyman	Pfc.	Mohr, Leopold	Pfc.
Alexander, Chris. M.	Pfc.	Garel, Arthur	Pfc.	Molinas, Sam	Pfc.
Ambrose, Delphin D.	Cpl.	Gelt, Harry	Cpl.	Most, Norman L.	Pfc.
Argyris, Chris	Pfc.	George, Joseph E.	Pfc.	Most, Ralph C.	Cpl.
Archas, Morris	Pfc.	Georgiades, George J. M.	Sgt.	Murray, Robert K.	Pfc.
Artemis, Paul J.	Pfc.	Giardina, Ippolito P.	Cpl.	O'Connor, Farrell A.	Tec. 5
Asch, Julian F.	Cpl.	Golden, Henry	Tec. 3	Ohringer, Arthur N.	Pfc.
Ashe, Thomas R.	Tec. 5	Goldstein, Jerome D.	Pfc.	Pappas, Constantine P.	Cpl.
Askounis, James T.	Tec. 5	Griffin, Daniel J.	Pfc.	Pape, Irving E.	Pfc.
Bailyn, Bernard	Pfc.	Guazzo, Dante E.	Pfc.	Plastrik, Stanley R.	Pfc.
Baizer, Ashur H.	Sgt.	Guild, Jr. Sydney T.	Pfc.	Pliakas, III, Eustace T.	Pfc.
Baldwin, John R.	Pfc.	Hershkowitz, Abraham	Pfc.	Poggioli, Sante J.	Pfc.
Becker, Aaron S.	Pfc.	Herzog, Walter	Pfc.	Porfiro, Hector S.	Pfc.
Berti, Pete M.	Pfc.	Hirsch, William	Cpl.	Prather, William C.	Cpl.
Bobek, Emil M.	Pfc.	Hirshberg, Edgar W.	Pfc.	Pupo, Salvatore A.	Pfc.
Bolch, Hans A.	Sgt.	Horowitz, Martin	Pfc.	Quinn, Francis J.	Tec. 5
Bonner, Thomas N.	Pfc.	Kangles, Gust N.	Pfc.	Rehfeld, Eric	Pfc.
Booras, George J.	Pfc.	Kapenekas, Theo. J.	Tec. 5	Reiche, Arnold T.	Pfc.
Bramley, Malcom E.	Pfc.	Karkenny, Edward E.	Pfc.	Rice, Jr. Eugene F.	Sgt.
Carlino, George J.	Cpl.	Karlikow, Abraham S.	Cpl.	Robert, Jr. Warren	Pfc.
Carter, Lawson A.	Sgt.	Kempin, Siegfried H.	Pfc.	Rosenbloom, Victor H.	Tec. 4
Cassano, Guido J.	S.Sgt.	Kersch, Joseph W.	Cpl.	Rothschild, Kurt J.	Pfc.
Chotzen, Walter	Pfc.	Kinsey, Milton P.	Pfc.	Rowan, Mark	Pfc.
Cochran, John A.	Cpl.	Kolgaklis, Theodore	Pfc.	Saenger, William	T.Sgt.
Coghi, John E.	Cpl.	Lavigne, Charles	Pfc.	Salzman, Jacob	Pfc.
Colchamiro, Oscar	Sgt.	Levesque, Herbert W.	S.Sgt.	Schechter, Roy	Pfc.
Coltun, Herbert H.	Cpl.	Maier, Emanuel	Pfc.	Schneyer, Solomon	Tec. 5
Constantinidis, George C.	Pfc.	Majorich, Jr. Charles S.	Pfc.	Shorall, George	Pfc.
Contos, George L.	Pfc.	Mantinband, James H.	Tec. 5	Slaugh, Robert D.	Pfc.
Custer, Richard	Pfc.	Manzi, Anthony	Pfc.	Soter, George N.	Pfc.
De Jonge, Curt E.	Pfc.	Maurer, Walter H.	Pfc.	Spinelli, Edward C.	Pfc.
Diamond, Eli C.	Pfc.	McGrath, John B.	Pfc.	Stamatopoulos, Nick S.	Pfc.
DiLibero, John W.	Pfc.	McLeod, Richard H.	Pfc.	Steinmann, Edwin M.	Pfc.
Eager, Richard B.	Pfc.	McQueen, Alfred J.	Cpl.	Stevan, Mitchell	Pfc.
Evans, Charles L.	Pfc.	McSweeney, Donald A.	Pfc.	Touloupas, John Z.	Pfc.
Eberle, Robert C.	Pfc.	Mead, Edgar T.	Pfc.	Toyster, Jacob I.	Pfc.
Farinacci, Nicholas T.	Pfc.	Meyer, Bert B.	Pfc.	Tunison, John R.	Cpl.
Fiedelbaum, Bertram	Pfc.	Mezera, Frank C.	Pfc.	Vericella, Charles A.	Cpl.
Fiocoprile, Anthony J.	S.Sgt.	Mitchell, Donald P.	Pfc.	Wechsberg, Henry	Tec. 5

## Basic Engineering Section BE - 5

Abele, Ernest J.	Pvt.	Hicks, Herbert R.	Pvt.	Peterson, Albert E.	Pvt.
Bispham, Edward K. Jr.	Pvt.	Hufnell, Robert N.	Pvt.	Pfeil, Robert J.	Pvt.
Blechar, Henry	Pvt.	Jackson, Robert L.	Pvt.	Pickering, Jr. Harold B.	Pvt.
Bock, Gerald E.	Pvt.	Kishbaugh, Ralph J.	Pvt.	Prince, John A.	Pvt.
Bodnar, Michael J.	Pvt.	Knaebel, Donald E.	Pvt.	Rieker, Walter C.	Pvt.
Burik, Joseph A.	Pvt.	Lanning, John G.	Pvt.	Schoner, Robert A.	Pvt.
Cecsarini, Harry A.	Pvt.	Levinson, Wilbur	Pvt.	Schwartz, Arnold J.	Pvt.
Conoley, Roscoe R.	Pvt.	Lichtman, Leon J.	Pvt.	Sears, Walter A.	Pvt.
Danielson, Olav	Pvt.	Mai, Charles F.	Pvt.	Seymour, John W.	Pvt.
Deierhoi, William H. Jr.	Pvt.	Mandel, Joe	Pvt.	Shmidt, Donald A.	Pvt.
Dionne, Jr. Edward A.	Pvt.	Margolis, Burton Z.	Pvt.	Smookler, Hilton	Pvt.
Filburn, Richard L.	Pvt.	Mason, John D.	Pvt.	Southard, Everett E.	Pvt.
Fritz, John R.	Pvt.	McCarty, Billy D.	Pvt.	Stott, Charles B.	Pvt.
Furst, Seymour	Pvt.	Michelstein, Jack	Pvt.	Swann, James A.	Pvt.
Glascok, Leon E.	Pvt.	Mosbacher, Alfred S.	Pvt.	Tichnor, Alan J.	Pvt.
Hammond, Francis J.	Pvt.	Mull, John C.	Pvt.	Wartinbee, Samuel C.	Pvt.
Harvey, Homer M.	Pvt.	Ott, Hampton T.	Pvt.	Weiskopf, Malcolm S.	Pvt.
Heyn, Jr. Clarence W.	Pvt.	Pardee, Clyde A.	Pvt.		

## BE - 1

Abramowitz, Donald	Pvt.	Fuchs, Abraham J.	Pvt.	Romig, David H.
Adams, William E.	Pvt.	Galbreath, John W.	Pvt.	Rosenthal, Royal W.
Astor, Saul D.	Pvt.	Garthe, Robert W.	Pvt.	Rost, Orville P.
Baddorf, Charles W.	Pvt.	Guild, Richard D.	Pvt.	Rozelsky, Theodore M.
Bealkowski, Zigmund J.	Pvt.	Hakkinen, William	Pvt.	Russell, Richard E.
Blank, Mark E.	Pvt.	Herbert, John	Pvt.	Sartor, Severino
Bowers, John N.	Pvt.	Hillman, Albert	Pvt.	Saxton, Francis M.
Braverman, Jerome L.	Pvt.	Hopkins, William W.	Pvt.	Schilling, Robert P.
Brown, Sidney H.	Pvt.	Keller, Adrian M.	Pvt.	Schnell, Roger M. B.
Burger, John H.	Pvt.	Klaus, Bernard A.	Pvt.	Schuman, Stanley S.
Burson, Robert E.	Pvt.	Larson, Raymond B.	Pvt.	Shelley, John D. M.
Cantor, Nathan	Pvt.	Lavallee, Albert L.	Pvt.	Sosnik, Robert
Carlock, Jr. George D.	Pvt.	League, Harry M.	Pvt.	Spaulding, Roy P.
Chin, Henry S.	Pvt.	MacAvoy, Jr. John L.	Pvt.	Sreenan, James J.
Chukerman, Irwin E.	Pvt.	Marks, Emanuel I.	Pvt.	Staffin, Sydney
Ciperson, William L.	Pvt.	Matulis, Joseph T.	Pvt.	Strang, Durwood S.
Clarke, Thomas W.	Pvt.	McCall, Charles W.	Pvt.	Sullivan, Edward T.
Cooper, Sam	Pvt.	McCarty, Mark A.	Pvt.	Symons, Robert H.
Corey, Philip A.	Pvt.	McCorkle, Ellis R.	Pvt.	Szortyka, Henry S.
Cox, John T.	Pvt.	Morrin, John J.	Pvt.	Van Etten, Robert C.
Daigh, Robert V.	Pvt.	Murphy, Jr. Leonard A.	Pvt.	Watkins, Paul A.
Dolan, Jr. Frederick A.	Pvt.	Park, Roger T.	Pvt.	White, James W.
Drumeller, Jr. Wm. F.	Pvt.	Philpott, Hubert J.	Pvt.	Williams, Jr. Porter
Edwards, Arthur V.	Pvt.	Ray, Robert B.	Pvt.	Wilson, Donald E.
Emery, Clifford T.	Pvt.	Raymond, Francis G.	Pvt.	Yoder, Charles A.
Flynt, Jr. Paul C.	Pvt.	Regan, John P.	Pvt.	Young, William C.
Franz, Donald C.	Pvt.	Rhoads, Jr. Jay R.	Pvt.	Zalkind, Harold S.

### Candidates for the Degree of Bachelor of Arts

Victor Harold Cagen	Donald Ralph Nelson
*Frank King Duffy	Rita Louise Paldino
Marcus Gordon Grodberg	Rebekah Jane Porter
Stuart Huxley Martin	Oscar Resnick
*George Henry Merriam	*Kenneth Albert Sund

### Candidates for the Degree of Bachelor of Arts with Honors

Rita Cardonna Horton with Honor in General Course
*John Thomas Miller Jr., with High Honor in General Course and with Honors in Economics and Sociology

### Candidates for the Degree of Master of Arts

<i>Chemistry</i>	<i>History and International Relations</i>
Wilbert Jephtha Humphlett	Alice Ethel Langley

\*In absentia.



# CLARK UNIVERSITY

Fifty-fourth Annual Commencement

JUNE 2 1944



WORCESTER MASSACHUSETTS

# Order of Exercises

Processional: Temple Prelude

*Petralli*

Invocation

REVEREND THOMAS SHERRARD ROY DD  
Pastor of the First Baptist Church

Commencement Address THE HONORABLE LEVERETT SALTONSTALL  
Governor of the Commonwealth of Massachusetts

The National Anthem

(The audience is asked to sing the first and third  
stanzas, the third being herewith printed)

3. Oh, thus be it ever when freemen shall stand  
Between their loved home and wars' desolation!  
Blest with victory and peace, may the heaven rescued land  
Praise the Power that hath made and preserved us a Nation!  
Then conquer we must, when our cause it is just,  
And this be our motto, "In God is our trust!"  
And the Star Spangled Banner in triumph shall wave  
O'er the land of the free and the home of the brave!

Statement by the President

Conferring of Degrees

Benediction

Recessional: Marche Triomphale

*Wachs*

The audience will kindly remain  
standing during the recessional

## Candidate for the Degree of Bachelor of Education

Lillian Cecile Carroll

## Candidate for the Degree of Bachelor of Business Administration

Murray Franklin Sleeper

## Candidates for the Degree of Bachelor of Arts

Harold Joseph Bergstrom

Grace Carol Bird

Ruth Emelia Ericson

Effie Hartocollis

David Kramer

Marie Agnes McCrealy

Gordon Stephen Price

Joy Lina Putnam

Irene Phyllis Senecal

## Candidate for the Degree of Bachelor of Arts with Honor

John Rudolf Mrosek with Honor in General Course

## Candidates for the Degree of Bachelor of Arts with Highest Honor

Lawrence Fox with Honors in History and International Relations and with  
Highest Honor in General Course

Marvin Israel Gruss with Highest Honor in General Course

## Candidates for the Degree of Master of Arts

*Chemistry*

Leo William Ziemplak

*Geography*

Mary Alice Roper

John Clinton Sherman

*Psychology*

Eli Morton Feldman

Thelma Toby Gilman

Florence Orinofsky

## Candidates for the Degree of Master of Arts in Education

Kathryn Gladys Mandeville

Mary Pauline Powers

## Candidates for the Degree of Doctor of Philosophy

*Biology*

Thomas L'herbette Malumphy

*Chemistry*

Leo James Guay

*Geography*

Helen Hoppe Balk

## Honorary Degree

Thomas Leon Patterson

Leverett Saltonstall

Presented by Homer Payson Little  
Presented by Walter Elmer Ekblaw

## Annual Collegiate Honors

### SENIORS

#### *First Honors*

Lawrence Fox

#### *Second Honors*

Nancy Katherine Rodier

### JUNIORS

#### *First Honors*

Thelma Shirley Brodsky

#### *Second Honors*

Carol Louise Johnson

### SOPHOMORES

#### *First Honors*

Dorothy Selma Cotzin

Florence Frances Driscoll

#### *Second Honors*

Jane Emerson Doolittle

Pauline Florence Heon

Eleanor Margaret Emerson

Georgette Yolande Savaria

Loretta Anne Wawrzyniak

### FRESHMEN

#### *Second Honors*

Muriel Louise Bergstrom

Cecile Elisabeth Krakenberger

Angela Marie Farinelli

Millicent Jean Sanford

### PRENTISS HOYT PRIZE IN POETRY

Second Prize awarded to Barbara Anne Norris  
For the Poem "The Snail"



# CLARK UNIVERSITY

## Final Assembly of the 1944 Summer Term

September 1, 5:00 P.M.

---

Processional: March of the Noble

*Keats*

Statement by President Atwood

Conferring of Degrees

President Atwood

### Bachelor of Education

Dorothy Alice Amidon  
Gertrude Eileen Foley  
Ora Josephine Gatti  
Mary Hazel Hughes

Mabel Robertson Locke  
Ellen Harriet Rollins  
Agnes Scott Rougvie  
Margaret Martha Sullivan

### Bachelor of Business Administration

Gerald John Heslinga

### Bachelor of Arts

Arden Almquist  
John Eaves, Jr.  
Priscilla Karle  
Lillian Anne Luksis

Carl Wakefield Perkins, Jr.  
Helen Marjorie Robinson  
James Clifton Wright  
Arthur Yagjian

### Bachelor of Arts With Honors

Eleanor Elizabeth Barriere, with Honors in Economics and Sociology  
Elizabeth Mary Doran, with Honor in General Course and with Honors in  
History and International Relations  
Nancy Katherine Rodier, with Honor in General Course

### Master of Arts

*In Geography*  
Marian Bertha Banks  
Eleanor Lillian Fass  
Eva Elizabeth Martens

*In History and International Relations*  
Lillian Kochenderfer Crecraft  
Alice Helena Crowe

### Doctor of Philosophy

*In Geography*  
David Kai-Foo Loa  
Merle Charles Prunty, Jr.

Recessional: Gothic March

*Foschini*



# Clark University

WORCESTER, MASSACHUSETTS



## The Division of Nursing Education

CLARK UNIVERSITY is situated in a city of 200,000 inhabitants in eastern central Massachusetts on the main lines of communication between Boston and the West, and Southern and Northern New England. Worcester is surrounded on all sides by many smaller communities which have easy access to the city by frequent bus and train service, making the University readily available to a large number of day students from a wide surrounding area. The campus is located on south Main Street only twelve minutes by street railway from City Hall, and but a few minutes more from bus and railroad terminals.

The presence of many large and small, private, city and state hospitals within the city (including four schools of nursing) and Clark University's recently established Division of Nursing Education makes Worcester an ideal center for the training and education of nurses.

Jonas G. Clark founded the University so that the student of moderate means could have the opportunity of a higher education. To this end he endowed the University with nearly \$5,000,000 and established a campus and buildings which are now valued at \$2,000,000. The student therefore has the use of excellent and modern facilities, an outstanding library, and the benefit of a faculty which has earned for Clark a high scholastic standing and international reputation. The student body, while reduced in numbers during the present war, is ideally composed of 300 men and 200 women.

The University is composed of a Graduate Division which was established in 1887 under the direction of Clark's first president, the renowned G. Stanley Hall, and an Undergraduate Division, Clark College (for men) which opened in 1902. In 1942 the Women's College was established. Within the organization of the University is an outstanding Graduate School of Geography, and an Undergraduate Division of Business Administration, established in 1941, and now, the newly established Undergraduate Division of Nursing Education. Whereas the presence of these specialized divisions might lead one to the conclusion that the University intends to train specialists in various fields, actually Clark prides itself on presenting and upholding the strong liberal arts tradition upon which it was founded.



Aug. 10, 1944  
The President

## **The Opening of the Division of Nursing Education**

AMONG the many pressing needs for services in higher education, the appropriate training and education of nurses has become strikingly apparent. The schools of nursing in this country are undermanned. The profession needs more people trained to become instructors in those schools. The hospitals are undermanned in the superintendence of nursing. Public health services in large and small communities are demanding more highly trained professional nurses.

A group of those associated with five of the larger hospitals in Worcester and with hospitals in nearby communities have emphasized the demand in central New England on the part of many Registered Nurses for an opportunity to secure training leading to the degree of Bachelor of Science in Nursing Education.

Our faculty and Board of Trustees have approved the establishment of a Division of Nursing Education in this university, and plans have been worked out with great care for the inauguration of this new work beginning in the fall of 1944. An expert in the art of nursing and in the conduct of training schools for nurses has been engaged and will be on duty with the opening of the next academic year.

Those who wish to carry on their training beyond that of a Graduate Nurse and work toward the degree of Bachelor of Science in Nursing will be eligible for admission. They may carry on the work with a full time program or on a part time schedule. Arrangements will be made for those who are engaged at the local hospitals to carry a partial program at the university.

We anticipate with pleasure welcoming each fall a group of students who wish to prepare themselves for leadership and positions of large responsibility in the nursing profession.

WALLACE W. ATWOOD  
*President of Clark University*

## **The Division of Nursing Education**

The Division of Nursing Education was established in the spring of 1944 to offer courses leading to the degree of Bachelor of Science in Nursing. The permanence of this Division will depend on the response to this offering as reflected by the enrollment during the next two years.

While the courses offered in nursing education are at present few in number, increased enrollment in the Division will result in an increased and diversified choice of courses.

### **Admission**

Graduate nurses and registered nurses whose training has included the subjects usually required in recognized schools of nursing will be eligible for admission as candidates for the degree of Bachelor of Science in Nursing.

While it is desirable to begin regular college courses in September or at the beginning of the summer term. Students may, however, be admitted at the beginning of any term if courses can be found which they are qualified to enter.

Applicants for admission should address inquiries to the Division of Nursing Education, Clark University, Worcester (3), Mass.

Applicants should present for admission a filled-out application blank, a transcript of the high school record (suitable blanks may be obtained from the college), and a record of course work completed at the school of nursing.

### **Requirements For the Degree of Bachelor of Science in Nursing**

One hundred and twenty semester hours of college credit will be required for the degree. Credit of about thirty semester hours will normally be granted for the completion of a standard course at a recognized school of nursing. Additional credit of about sixty semester hours must be earned in regular courses offered by Clark University according to the following schedule.

Division A (biology, chemistry, geology mathematics, physics and experimental psychology)	12 semester hours
Division B (economics, education, geography, history, psychology and sociology)	12 semester hours
Division C (English)	9 semester hours
Division D (fine arts)	3 semester hours
Electives (from Division A, B, C, or D)	24 semester hours
Total	60 semester hours

An additional thirty semester hours must be obtained from courses in the major field: teaching in schools of nursing.

Before the degree may be awarded an official statement is required indicating that the student is a registered nurse.

### **Scholarship Standards**

Candidates for the degree of Bachelor of Science in Nursing will be required to meet the scholarship standards, which apply to candidates for the degree of Bachelor of Arts.

## **Expenses**

### **Matriculation Fee**

Every new student at the University pays a matriculation fee of \$5.

### **Tuition**

*Fall term and spring term.* Tuition for undergraduates with programs of not more than five courses is \$120 per semester (fall term or spring term).

Students who take less than the full five-course program pay at the rate of \$10 per semester hour of credit. (One course taken for one year yields six semester hours of credit and costs \$60).

*Summer term.* Tuition in the summer term, with a normal program, is \$48 for each session of six weeks. Tuition is charged at the rate of \$8 per semester hour for other programs. With a normal program an undergraduate student is expected to earn six semester hours of credit in each six-week session.

Each student who takes two or more courses simultaneously also pays an "activities fee" of \$10 per semester.

The following regulation was adopted by the trustees on March 28, 1931:

*"No refund of tuition and no release of obligation to pay tuition shall be made because of failure for any reason on the part of a student to complete the work of any semester after it is begun."*

### **Diploma Fees**

For a bachelor's degree, the diploma fee, \$5, is due at the beginning of the term in which the candidate expects to complete work in residence for the degree.

### **Laboratory Fees and Deposits**

Laboratory fees, payable at the time of registration, are charged in undergraduate "laboratory courses" as follows:

\$5 for each half course, payable at the beginning of each semester.

A "breakage deposit" is required in all undergraduate "laboratory courses" in chemistry. These deposits are collected by the Bursar.

### **Courses of Instruction**

The unit of instruction for undergraduates is a "course." A "course" normally meets for classroom or laboratory exercises three or four times weekly throughout the regular "academic year" (September to June) and constitutes one-fifth of a normal program for an undergraduate.

In the summer term five sixty-minute periods weekly for twelve weeks are devoted to each "course."

*Each unit of undergraduate instruction as listed below constitutes one "course" and is considered the equivalent of six semester hours unless its value as a fractional course or a multiple course is indicated.*

Courses designated by numbers beginning with the figure (1) are intended primarily for undergraduates. Courses designated by numbers beginning with the figure (2) are intended for advanced undergraduates and graduate students.

The "Graduate Nurse" has the status of an advanced undergraduate in the University and not that of a "graduate student."

## **Director of Nursing Education Program**

To establish this new division on a sound basis, Miss Margaret T. Shay has been appointed Director of the Division of Nursing Education. She will present several courses in her special field and advise the students in selecting their course program.

Miss Shay comes to Clark University with an excellent record. She is a graduate (R.N.) of the Corning Hospital School of Nursing, Corning, New York (1925). In 1942 she received the B.S. Degree and in the following year the M.A. Degree from the New York University School of Education. She has been instructor in Nursing Arts and Sciences in the Corning Hospital School of Nursing, Ward Instructor and then Supervisor in Bellevue Hospital, New York, and comes to Clark from the position of Director of Education and Assistant Superintendent of Nurses, Fordham Hospital, New York, and part time Instructor in the Department of Nursing Education of Hunter College, New York City.

The courses which Miss Shay is offering will be conducted during the day, in the late afternoon or in the evening so that the largest number of students may attend. Because the courses in the field of Nursing Education constitute only one-third of the work toward the B.S.N. degree beyond graduation from the school of nursing, the student is strongly advised to complete the college course requirements as soon as possible. The college courses should be carefully chosen with the intention of completing the course requirements listed previously, and of obtaining a well-rounded education which will also be useful in the subsequent professional career.

While the graduate nurse will have had courses in chemistry and anatomy and physiology in her nurse's training course, she should not consider these equivalent to, or fulfilling the requirement of, first year chemistry or biology as presented in College. The similarity of titles or content does not indicate the pronounced difference in the aims and intensity of the college course as opposed to that of the school of nursing.

On registration day, September 18, 1944 and thereafter, Miss Shay should be consulted in planning course programs, evaluating transfer credits or answering any other questions concerning the Bachelor of Science in Nursing degree.





*Music Room*

## **The Division of Nursing Education**

### **101a. Principles and Methods of Teaching Nursing Education.**

Objectives: (1) To help the student develop a philosophy of teaching based on democratic principles; (2) to give the student an understanding of the principles and methods of teaching in order that she may use those best suited to her needs in various situations; and (3) to help the student develop the ability to evaluate the methods, materials, and results of teaching.

Half course, first semester, hours to be arranged.

MISS SHAY

### **102a. \* Teaching in the Hospital Unit (Ward Teaching).**

Objectives: To help the student (1) apply the elementary principles of teaching and learning to the ward situation; (2) develop the ability to integrate classroom and ward experiences; (3) use and evaluate teaching methods in ward situations.

Half course, first semester, hours to be arranged.

MISS SHAY

### **103a. Modern Trends in Nursing and Nursing Education.**

Objectives: (1) To provide a general orientation to modern nursing; (2) to give a broad over-all view which will help the student gain perspective and a sense of proportion in the rapidly advancing field of nursing; (3) to give an understanding of modern trends in nursing through comparison with developments in other professions and social institutions; (4) to help the student develop leadership ability to meet the present and future needs of nursing in a democratic society.

Half course, first semester, hours to be arranged.

MISS SHAY

#### **104. Supervision in Hospitals and Schools of Nursing**

Objectives: To help the student (1) to develop a philosophy of supervision; (2) to understand and be able to use modern democratic methods of supervision; and (3) to evaluate the types of supervision in use in hospitals.

Half course, to be offered subsequently.

MISS SHAY

#### **105. Evaluation and Preparation of Nursing Procedures.**

Objectives: To help the student (1) develop the ability to use research methods and techniques; (2) become able to function effectively as a committee member; (3) learn to evaluate nursing procedures in terms of scientific principles; and (4) prepare written directions which will prove effective as guides in the performance of nursing procedures.

Half course, to be offered subsequently.

MISS SHAY

#### **106. Administration in the Hospital Unit.**

Half course, to be offered subsequently.

MISS SHAY

#### **107. Administration in Schools of Nursing.**

Half course, to be offered subsequently.

MISS SHAY

#### **108. Teaching the Nursing Arts.**

Half course, to be offered subsequently.

MISS SHAY

The courses listed below are only a partial list of courses offered by any one department. They will be the ones most frequently chosen to fulfill the liberal arts requirements of the College. The complete list of offerings will be found in the annual College catalogue.

### **Department of Biology**

**11. General Biology.** An introduction to the fundamental principles and problems of biology. Divisible course upon approval by the department. Open to freshmen.

Through the year. M. W. F., 9; M., or Tu., 2.

MR. POTTER AND MR. NUNNEMACHER

**12. Comparative Anatomy.** A study of the morphology of the vertebrates from a comparative standpoint which traces the evolution of animals from fish to mammals. Lectures and laboratory work.

Through the year. Tu. F., 1, 2.

MR. NUNNEMACHER

**16a. Histology.** A comprehensive course dealing with tissue structure. Emphasis is placed on the study of mammalian tissues. Two lectures and two laboratory periods per week.

Half course, first semester.

MR. NUNNEMACHER

**17b. Embryology.** A consideration of the fundamentals of embryology. Two lectures and two laboratory periods per week.

Half course, second semester.

MR. NUNNEMACHER

**18b. Genetics.** An introduction to the principles of genetics.

Half course, second semester.

MR. POTTER

**144b. Bacteriology.** An introduction to the study of bacteriology.

Half course, second semester.

MR. POTTER



### *Comparative Anatomy*

## **Department of Chemistry**

**11. General Chemistry.** Chiefly inorganic. Systematic study of the elements and their principal compounds, and the fundamental laws and theories of chemistry. Three lectures and six hours of laboratory work per week. Divisible only by consent of instructor.

Open to freshmen.

Through the year. M. W. F., 11; M. 2.

MR. MERIGOLD

**12a. Qualitative Analysis.** Chiefly laboratory work, nine hours per week. Occasional lectures and recitations. Prerequisite, course 11 or its equivalent.

Half course, first semester. Tu. F., 2.

MR. BULLOCK

**15. Elementary Organic Chemistry.** Lectures on the fundamental principles of organic chemistry. Prerequisite, a grade of C— or better in course 11, or its equivalent.

Through the year. M. W. F., 9.

MR. BULLOCK

## Department of Economics and Sociology

**11. Principles of Economics.** An introduction to the fundamental economic principles, together with a study of the practical application of these principles to the problems of American life.

Indivisible course.

Through the year. M. W. F., 10.

MR. BRANDENBURG

**Soc. 11. Principles of Sociology.** Society and its fundamental inter-relationships: man's social nature, his personality development, his behavior in groups such as classes, nations, races; community organization; social interaction as seen in competition and coöperation; social change. The course is essential to further study of Sociology.

Through the year.

MR. FISHER

**Soc. 12. Social Work and Social Case Work.** The development of social work from the days of the English Poor Laws to today's program of social security; the work of the outstanding personalities in the field of social work; case material in relation to family case work, child welfare, group work, community organization, etc.; the nature and varieties of human behavior as a part of case work understanding. The course seeks to give the student a basic understanding of social work and its place in the life of the community.

Through the year. M. W. F., 9.

MISS GOLLER

## Department of English

**11. English Composition.** This course aims to increase clarity and accuracy of expression in writing, and to teach the ways in which words convey meaning. Weekly written papers, primarily of an expository nature, are assigned, together with readings of varied subject matter and book reports.

Required of freshmen.

Through the year. Two sections, M. W. F., 10, and Tu. Th. S., 11.

MR. C. P. LEE AND MR. MARBLE

**15. A Survey of English Literature.** A course in English literature from its beginning to the end of the eighteenth century. Elective for juniors and seniors.

Through the year. M. W. F., 11.

MR. MARBLE

**121a. Biography and Letters.** The biography, autobiography and correspondence of distinguished authors, painters and sculptors, from the eighteenth century to the present. This course is open only to upper classmen who are proficient in English.

Half course, first semester. Tu. Th. S., 9.

MR. DODD

**140a. The Appreciation of Literature.**

Open to freshmen. M. W. F., 8.

Half course, first semester.

MR. ILLINGWORTH

## Department of Fine Arts

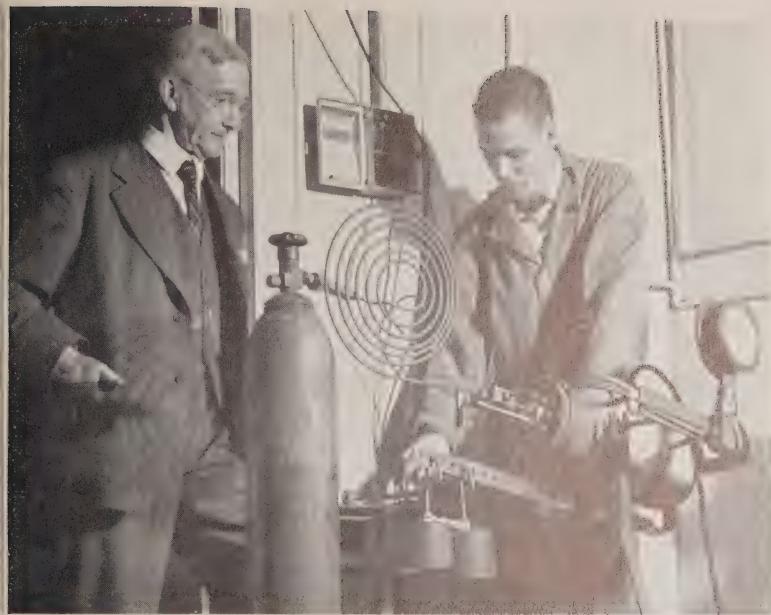
**Fine Arts 10a. The Art of My Country.** American accomplishment in painting, sculpture and architecture. Illustrated lectures, assigned readings, field trips.

Open to freshmen.

Half course, first semester. M. W. F., 9.

MR. DODD





### *Research Course*

**Music 12. A survey course.** The course begins with the study of the fundamentals of music, rhythm, melody and form. The development of music through its primitive stages, and the folk-songs of the Middle Ages, is traced to the genesis of the sonata-form, and to the contemporary scene. The Vienna classicists, the romantic movement, the rise of impressionism, the so-called modernists are treated in the various types of music to be heard in concert hall, opera house, and over the radio.

An indivisible course, except that qualified students may be admitted at the beginning of each semester with the consent of the instructor.

Elective for sophomores, juniors, and seniors.

Through the year. M. W. F., 11.

MR. MALMSTROM

### **Department of History**

**11. Introduction to the History of Europe.** The course covers the period from the fall of Rome to the present time, and serves as a general introduction to further historical study.

Open to freshmen.

Through the year. Tu. Th. S., 10.

MR. D. LEE

**12. European and American Governments.**

a. First semester: *The Leading Governmental Systems of Europe.*

b. Second semester: *Development of American Political Institutions.* A survey of the development of American government and politics with special emphasis on the growth of governmental functions and agencies in the twentieth century.

Either half of the course may be elected without the other.

Through the year. Tu. Th. S., 11.

MR. LEE AND MR. ROZWENC

**17. American History Since 1783.** After a brief survey of the American Revolution, the course will treat carefully the period since 1783. Divisible only with the approval of the instructor.

Through the year. Tu. Th. S., 9.

MR. ROZWENC

## Department of Physics

**11. General Physics.** During the first semester, the work covers mechanics and heat, and during the second semester, electricity and magnetism, wave motion, sound, and light. The textbook is Foley's *College Physics*. Mathematics 10 or 11 is advised, but not required.

Indivisible course.

Open to freshmen.

Through the year. M. W. F., 10; M. or Th., 2.

MR. ROOPE

## Department of Psychology and Education

**11. General Psychology.** An introduction to the principles of human behavior. Prerequisite: sophomore standing.

Through the year. M. W. F., 10.

MR. BROWN

**22. Abnormal Behavior and Personality Development.** The first part of the course will be devoted to a survey of the chief types of abnormal behavior, including psychoses and neuroses, and also somnambulism and telepathy. Emphasis will be placed on the dynamics common to both normal and abnormal manifestations. The last part of the course will consist of a consideration of personality development. For pre-medical students and advanced students in psychology.

Through the year. W., 5; F., 4-6.

**201a. Educational Psychology.** A study of psychological principles as they bear upon learning and other problems of education.

Half course, first semester. Th., 1; F., 4-6.

MR. V. JONES

**214. Tests and Measurements Applied to Psychological and Educational Problems.** A study of the measurement and aptitude, achievement, interest, and attitude. Theoretical considerations and practical problems will be included.

Through the year. Tu., 4-6; F., 9.

MR. JONES



*Tower of Atwood Hall*

### **Board of Trustees**

Final authority in all matters pertaining to the University is lodged in the Board of Trustees by charter granted by the General Court of the Commonwealth of Massachusetts.

GEORGE H. MIRICK (1920), Vice President	Worcester, Mass.
ALEXANDER H. BULLOCK (1926), President	Worcester, Mass.
LEON E. FELTON (1930), Secretary	Worcester, Mass.
FRANCIS H. DEWEY, JR. (1934)	Worcester, Mass.
ROBERT H. LOOMIS (1936)	Boston, Mass.
FRANK L. ADAMS (1938)	Worcester, Mass.
HOWARD M. BOOTH (1939)	Worcester, Mass.
SAMUEL H. DOLBEAR (1940)	New York, N. Y.
CARL E. WAHLSTROM (1942)	Worcester, Mass.

### **ELECTED TO REPRESENT THE ALUMNI**

HAROLD L. FENNER (1943) for two years	Worcester, Mass.
HENRY L. SIGNOR (1913) for three years	Worcester, Mass.
RAYMOND T. GIFFORD (1943) for four years, Treasurer	Worcester, Mass.
THOMAS L. PATTERSON (1944) for four years	Detroit, Mich.

## The University Staff

### *In Residence During the Year 1944-45*

Wallace Walter Atwood, Ph.D., Sc.D. President, Professor of Physical and Regional Geography, and Director of the Graduate School of Geography  
Homer Payson Little, Ph.D. Dean of the College and Professor of Geology  
Henry Morant Bosshard, Ph.D. Professor of German  
Haven Darling Brackett, Ph.D. Professor of Greek and Latin  
Samuel J. Brandenburg, Ph.D. Professor of Economics and Sociology  
Robert Heath Brown, Ph.D. Associate Professor of Experimental Psychology  
Jesse Lunt Bullock, Ph.D. Professor of Chemistry  
Loring Holmes Dodd, Ph.D. Professor of Rhetoric and Curator of Art  
David Mitchell Dougherty, Ph.D. Associate Professor of Romance Languages  
Walter Elmer Ekblaw, Ph.D. Professor of Geography  
Paul Fisher, J.D. Assistant Professor of Economics and Sociology.  
George E. Hargest, Ed.M. Asst. Prof. of Economics and Business Administration  
Robert S. Illingworth, A.M., Ed.M. Professor of Dramatic Art  
Vernon Jones, Ph.D. Professor of Educational Psychology  
C. Pendelton Lee, M.A., B.A. Oxon., Assoc. Prof. of English Literature  
Dwight Erwin Lee, Ph.D. Professor of Modern European History  
Carl S. Malmstrom. Instructor in Music  
Paul Francis Marble, A.M. Instructor in English  
Arthur Earl Martell, Ph.D. Assistant Professor of Chemistry  
Carey Eyster Melville, A.B. Professor of Mathematics  
Benjamin Shores Merigold, Ph.D., Sc.D. Professor of Chemistry  
Rudolph Fink Nunnemacher, Ph.D. Associate Professor of Biology  
David Potter, Ph.D. Professor of Biology  
J. Richard Reid, Ph.D. Asst. Professor of Romance Languages  
Percy Martin Roope, Ph.D. Professor of Physics  
Edwin Charles Rozwenc, Ph.D. Assistant Professor of American History  
Margaret T. Shay, R.N., M.A. Director, Division of Nursing Education  
Samuel Van Valkenburg, Ph.D. Professor of Geography  
Ernest Raymond Whitman. Director of Physical Education

#### OTHER MEMBERS OF THE STAFF

M. Hazel Hughes. Director of Student Activities in the Women's College	
Guy Harvey Burnham, A.M. Cartographer, Graduate School of Geography	
Gertrude Goller, M.S.S. Visiting Lecturer in Sociology	
Edith M. Baker	Acting Librarian
Florence Chandler	Bursar
Lydia P. Colby	Recorder
Michael B. Fox, M.D.	Medical Director for Men
Constance Kaliris, M.D.	Medical Director for Women



# **The Division of Nursing Education**

## *Director*

MARGARET T. SHAY, R.N., M.A.

## *Executive Council*

WALLACE WALTER ATWOOD, PH.D., *President*

HOMER PAYSON LITTLE, PH.D.

RUDOLPH FINK NUNNEMACHER, PH.D.

BARDWELL H. FLOWER, M.D., Worcester State Hospital

ALBERTA M. TRUNCK, R.N., B.S., Worcester City Hospital

## **Advisory Council For the Division of Nursing Education**

WALLACE W. ATWOOD, President of Clark University, Chairman,  
*ex officio*

MRS. ALBERTA M. TRUNCK, Director of Nursing Education, Worcester  
City Hospital, Co-Chairman

RUDOLPH F. NUNNEMACHER, Associate Professor of Biology,  
Secretary

HOMER P. LITTLE, Dean of the College

DAVID POTTER, Professor of Biology

MISS ELEANOR BOWEN, State Board of Nursing Examiners

MISS MARGARET L. BOYLE, Director of Public Health Nurses

DR. BARDWELL H. FLOWER, Superintendent, Worcester State Hos-  
pital

MISS ERMA M. KUHN, Superintendent of Hahnemann Hospital

MISS EDNA LAWSON, Superintendent of Harvard Hospital

MISS ELLA L. PENSINGER, Executive Director, Worcester Society for  
District Nursing

MISS ELLEN M. RAFUSE, Director of Nursing Education, Memorial  
Hospital

MRS. KATHARINE M. STEELE, President of Worcester County League  
of Nursing Education

***For further information write to:***

***Division of Nursing Education,***

***Miss Margaret T. Shay, Director***

***Clark University, Worcester 3, Mass.***

# Calendar

Sept. 1944 to Sept. 1945

SEPTEMBER							JANUARY							MAY						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	..	..	..	1	2	..	1	2	3	4	5	6	..	..	1	2	3	4	5
3	4	5	6	7	8	9	7	8	9	10	11	12	13	6	7	8	9	10	11	12
10	11	12	13	14	15	16	14	15	16	17	18	19	20	13	14	15	16	17	18	19
17	18	19	20	21	22	23	21	22	23	24	25	26	27	20	21	22	23	24	25	26
24	25	26	27	28	29	30	28	29	30	31	..	..	..	27	28	29	30	31	..	..
OCTOBER							FEBRUARY							JUNE						
1	2	3	4	5	6	7	..	..	..	1	2	3	..	..	..	..	1	2	3	4
8	9	10	11	12	13	14	4	5	6	7	8	9	10	3	4	5	6	7	8	9
15	16	17	18	19	20	21	11	12	13	14	15	16	17	10	11	12	13	14	15	16
22	23	24	25	26	27	28	18	19	20	21	22	23	24	17	18	19	20	21	22	23
29	30	31	..	..	..	..	25	26	27	28	..	..	..	24	25	26	27	28	29	30
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
NOVEMBER							MARCH							JULY						
..	..	..	1	2	3	4	..	..	..	1	2	3	..	1	2	3	4	5	6	7
5	6	7	8	9	10	11	4	5	6	7	8	9	10	15	16	17	18	19	20	21
12	13	14	15	16	17	18	11	12	13	14	15	16	17	22	23	24	25	26	27	28
19	20	21	22	23	24	25	18	19	20	21	22	23	24	29	30	31	..	..	..	..
26	27	28	29	30	..	..	25	26	27	28	29	30	31	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
DECEMBER							APRIL							AUGUST						
..	..	..	..	1	2	3	1	2	3	4	5	6	7	..	..	1	2	3	4	5
3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11
10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18
17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25
24	25	26	27	28	29	30	29	30	..	..	..	..	..	26	27	28	29	30	31	..
31	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Sept. 18	Monday	Beginning of academic year. Registration day.
Oct. 12	Thursday	Columbus Day. A holiday.
Nov. 11	Saturday	Armistice Day. Not a holiday.
		Mid-semester reports.
Nov. 29	Wednesday	Beginning of Thanksgiving recess at 5 P.M.
Dec. 4	Monday	End of Thanksgiving recess at 8 A.M.
Dec. 20	Wednesday	Beginning of Christmas recess at 5 P.M.
1945		
Jan. 2	Tuesday	End of Christmas recess at 8 A.M.
Jan. 15	Monday	Beginning of semester examination period.
Jan. 27	Saturday	End of first semester.
Jan. 29	Monday	Beginning of second semester.
Feb. 22	Thursday	Washington's Birthday. A holiday.
Mar. 24	Saturday	Mid-semester reports.
Mar. 31	Saturday	Beginning of spring recess at 1 P.M.
Apr. 9	Monday	End of spring recess at 8 A.M.
Apr. 19	Thursday	Patriot's Day. Not a holiday.
May 21	Monday	Beginning of semester examination period.
May 30	Wednesday	Memorial Day. A holiday.
June 2	Saturday	End of academic year.
June 3	Sunday	Commencement Day.
June 11	Monday	Beginning of first session of summer term.
July 4	Wednesday	Fourth of July. A holiday.
July 20	Friday	End of first session of summer term.
July 23	Monday	Beginning of second session of summer term.
		Registration day.
Aug. 31	Friday	End of summer term.







# CLARK UNIVERSITY

WORCESTER, MASSACHUSETTS



## *Summer Term* *1944*

*For students already in college who wish to proceed with utmost speed toward completion of their course.*

*For teachers or other adults who desire further undergraduate or graduate training.*

*For high school students graduating in June, particularly those who wish to get a taste of college before being drafted, or to begin pre-professional training.*

### **SUMMER TERM CALENDAR**

#### **First Session**

June 12—Registration

June 13—Classwork begins, 7:50 A. M.

July 4—Independence Day, a Holiday

July 20 and 21—Examinations

#### **Second Session**

July 24—Registration

Aug. 31 - Sept. 1—Examinations

Sept. 1—Commencement, 5 P. M.

## SUMMER TERM FACULTY

Clark University unless otherwise stated)

WALTER ATWOOD, PH.D., Sc.D.

Assistant Professor of Physical and Regional Geography and Director of the Graduate School of Geography.

PAYSON LITTLE, PH.D.

Associate Professor of Geology.

FORANT BOSSHARD, PH.D.

Professor of German.

LEATH BROWN, PH.D.

Associate Professor of Experimental Psychology.

ANT BULLOCK, PH.D.

Professor of Chemistry.

VEY BURNHAM, M.A.

Geographer, Graduate School of Geography.

ITCHELL DOUGHERTY, PH.D.

Associate Professor of Romance Languages.

ELMER EKBLAW, PH.D.

Professor of Geography.

CHER, PH.D.

Assistant Professor of Economics and Sociology.

EDWARD HARGEST, M.Ed.

Assistant Professor of Economics and

Business Administration.

STANLEY ILLINGWORTH, M.Ed.

Professor of Dramatic Art.

JONES, PH.D.

Professor of Educational Psychology.

FRANCIS MARBLE, M.A.

Instructor in English.

EARL MARTELL, PH.D.

Assistant Professor of Chemistry.

SHORES MERIGOLD, PH.D., Sc.D.

Professor of Chemistry and Director of the Chemical Laboratories.

FINK NUNNEMACHER, PH.D.

Associate Professor of Biology.

POTTER, PH.D.

Professor of Biology.

MARTIN ROOPE, PH.D.

Professor of Physics.

CHARLES ROZWENC, PH.D.

Assistant Professor of American History.

SCHNORRENBURG, M.A.

Teacher of Workshop in Geography (Teacher of Geography, State Teachers College, Towson, Maryland).

VAN VALKENBURG, PH.D.

Professor of Climatology and Regional Geography.

WIN WARMAN, M.Ed.

Assistant Professor of Geography.

## COURSES\*

(F indicates open to Freshmen)

(Courses offered first or second session only are designated a or b respectively)

### BIOLOGY

F S.T.111a. GENERAL BIOLOGY. An introduction to the fundamental principles and problems of biology. The first six weeks will deal with zoological aspects, while the second six weeks will treat the botanical field (with Mr. Potter).

Daily, except Saturday, at 7:50; lab. M.Th. at 2:00.

MR. NUNNEMACHER

S.T.17a. EMBRYOLOGY. A course dealing with the early stages in the development of animals.

M.T.W.Th., at 9:00; lab., T.Th.F., at 2:00.

MR. NUNNEMACHER

F S.T.111b. GENERAL BIOLOGY. A continuation of S.T. 111a, offered during the first six weeks.

Daily, except Saturday, at 7:50; lab., M.Th., at 2:00.

MR. POTTER

S.T.18b. GENETICS. An introduction to the principles of Genetics.

Daily, except Saturday, at 9:00.

MR. POTTER

### BUSINESS ADMINISTRATION

F S.T.117. PRINCIPLES OF ACCOUNTING. The organization and use of financial records, with emphasis on their interpretation as well as on the technique of procedure. Indivisible course.

Daily, except Saturday, at 10:10.

MR. HARGEST

S.T.181a. INDUSTRIAL MANAGEMENT. A study of the techniques of executive control and the measures of managerial efficiency pertaining particularly to production control, operation standardization, purchasing, inventories, selling and budgeting.

Daily, except Saturday, at 11:20.

MR. HARGEST

S.T.112b. INTRODUCTION TO PERSONNEL MANAGEMENT. For students of personnel problems as they appear in education, industry and office work; the selection, training and management of manpower in private and public business.

Daily, except Saturday, at 9:00.

MR. FISCHER

S.T.182b. OFFICE MANAGEMENT. A survey of the principles of office procedure and management with special emphasis upon office organization and planning, departmental organization, standardization of equipment and methods, employee selection and training, office forms, office costs and budgets, and correspondence.

Daily, except Saturday at 11:20.

MR. HARGEST

## CHEMISTRY

**F S.T.11. GENERAL CHEMISTRY.** Chiefly inorganic. Systematic study of the elements and their principal compounds, and the fundamental laws and theories of chemistry. Divisible only by consent of instructor.  
*Daily, except Saturday, at 9:00; lab. T.W.F., at 2:00.*

MESSRS. MERIGOLD AND MARTELL

**S.T.12a. QUALITATIVE ANALYSIS.** Chiefly laboratory work, 12-15 hours per week. Occasional lectures and recitations. Prerequisite, course 11 or its equivalent.  
*Hours to be arranged.*

MR. BULLOCK

**S.T.14b. QUANTITATIVE ANALYSIS.** Chiefly laboratory work, 12-15 hours per week, with occasional lectures, recitations, and problems.

*Hours to be arranged.*

MR. MERIGOLD

**S.T.15. ELEMENTARY ORGANIC CHEMISTRY.** Lectures on the fundamental principles of organic chemistry. Prerequisite, a grade C— or better in course 11, or its equivalent.

*Daily, except Saturday, at 7:50.*

MESSRS. BULLOCK AND MARTELL

## ECONOMICS AND SOCIOLOGY

**S.T.23a. ECONOMICS OF WAR.** What economic mobilization for modern war means in terms of labor, resources, civilian and military economics preparation; necessary restraints on private enterprise and the extension of governmental controls; economic problems to be faced in postwar reconstruction era.

*Daily, except Saturday, at 7:50.*

MR. FISCHER

**S.T.140a. THE AMERICAN CONSUMER.** A survey of the growing field of consumer economics. The consumer's budget; his plane of living; private and social control of consumption; consumer movements; restrictions imposed by war upon the consumer.

*Daily, except Saturday, at 9:00.*

MR. FISCHER

**S.T.112b. INTRODUCTION TO PERSONNEL MANAGEMENT.** See Business Administration S.T.112b.

*Daily, except Saturday, at 9:00.*

MR. FISCHER

**S.T.121b. LABOR IN WARTIME.** American labor's status in 1914; its problems and tactics during the first World War; influence of prosperity and depression, 1920-39; issues of the present war: closed shop, maintenance of membership, absenteeism, labor disputes, and strikes; other manpower problems.

*Daily, except Saturday, at 7:50.*

MR. FISCHER

## EDUCATION

*See Psychology and Education*

## ENGLISH AND DRAMATICS

**S.T.11. ENGLISH COMPOSITION.** This course aims to increase clarity and accuracy of expression in writing, and to teach the ways in which words convey meaning. Weekly written papers, primarily of an expository

nature, are assigned, together with readings subject matter and book reports.

*Daily, except Saturday, at 9:00.*

**S.T.15. A SURVEY OF ENGLISH LITERATURE.** in English literature from its beginning to the nineteenth century. May be entered at the of either session.

*Daily, except Saturday, at 11:20.*

**F S.T.113b. MODERN BRITISH DRAMA.** The include the reading of representative plays by rary English, Irish and Scotch dramatists. movements in the theatre will likewise be through their chief exponents.

*Daily, except Saturday, at 9:00.*

MR. ILL

**F S.T.145b. STAGECRAFT.** Intended to train s acting and allied arts of the theatre, this c siders the choosing of plays, the function of tings, the procedure in mounting a play, and tion of a stage design through sketches an Costumes, properties, make-up, rehearsals, dire theatre organization and management are also The student learns all the responsibilities of duction, and as laboratory exercise, membe class are chosen, as far as possible, for the p of the summer theatre.

*Daily, except Saturday, at 11:20.*

MR. ILL

**F S.T.146b. ORAL INTERPRETATION OF LITERAT** purpose of this course is to develop ability to in a simple, intelligent, and expressive ma materials will be drawn chiefly from prose a of assured literary value, with a view of gaini oral interpretation an added appreciation of Elementary voice training. A study of the bes and readings in poetry, drama, and short s part of the course.

*Daily, except Saturday, at 10:10.*

MR. ILL

## FRENCH

**F S.T.14. READINGS IN FRENCH LITERATURE.** French 14 is twofold: the attainment of faci ability and a general view of modern French based upon a detailed study of ten works of tive authors.

*Daily, except Saturday, at 10:10.*

MR. L

## GEOGRAPHY

**F S.T.10. PRINCIPLES OF GEOGRAPHY.** First s introductory course dealing primarily with th phases of geography. Second session: Applica principles of geography to the study of select throughout the world. Divisible.

*Daily, except Saturday, at 10:10.*

MR. EKBLAW, MR. VAN VALKENBURG AND MR

**F S.T.12a. METEOROLOGY.** The principles of m with practical use of weather station, moder maps, and weather symbols.

*Daily, except Saturday, at 7:50.*

MR



nature, are assigned, together with readings of varied subject matter and book reports.

*Daily, except Saturday, at 9:00.*

MR. MARBLE

S.T.15. A SURVEY OF ENGLISH LITERATURE. A course in English literature from its beginning to the middle of the nineteenth century. May be entered at the beginning of either session.

*Daily, except Saturday, at 11:20.*

MR. MARBLE

F S.T.113b. MODERN BRITISH DRAMA. The course will include the reading of representative plays by contemporary English, Irish and Scotch dramatists. Significant movements in the theatre will likewise be discussed through their chief exponents.

*Daily, except Saturday, at 9:00.*

MR. ILLINGWORTH

F S.T.145b. STAGECRAFT. Intended to train students in acting and allied arts of the theatre, this course considers the choosing of plays, the function of stage settings, the procedure in mounting a play, and the evolution of a stage design through sketches and models. Costumes, properties, make-up, rehearsals, directing, and theatre organization and management are also discussed. The student learns all the responsibilities of play production, and as laboratory exercise, members of this class are chosen, as far as possible, for the productions of the summer theatre.

*Daily, except Saturday, at 11:20.*

MR. ILLINGWORTH

F S.T.146b. ORAL INTERPRETATION OF LITERATURE. The purpose of this course is to develop ability to read aloud in a simple, intelligent, and expressive manner. The materials will be drawn chiefly from prose and poetry of assured literary value, with a view of gaining through oral interpretation an added appreciation of literature. Elementary voice training. A study of the best textbooks and readings in poetry, drama, and short story are a part of the course.

*Daily, except Saturday, at 10:10.*

MR. ILLINGWORTH

## FRENCH

F S.T.14. READINGS IN FRENCH LITERATURE. The aim of French 14 is twofold: the attainment of facile reading ability and a general view of modern French literature based upon a detailed study of ten works of representative authors.

*Daily, except Saturday, at 10:10.*

MR. DOUGHERTY

## GEOGRAPHY

F S.T.10. PRINCIPLES OF GEOGRAPHY. First session: An introductory course dealing primarily with the physical phases of geography. Second session: Application of the principles of geography to the study of selected regions throughout the world. Divisible.

*Daily, except Saturday, at 10:10.*

MR. EKBLAW, MR. VAN VALKENBURG AND MR. WARMAN

F S.T.12a. METEOROLOGY. The principles of meteorology with practical use of weather station, modern weather maps, and weather symbols.

*Daily, except Saturday, at 7:50.*

MR. WARMAN



# CLARK UNIVERSITY

SUMMER TERM - 1944



The desire of many students for at least the elements of premedical training before induction is fully recognized. Above and below are views in the biological laboratories. Clark is proud of the records its students have made in medical schools.

The Graduate School of Geography attracts students from all over the world.

Open stacks in the spacious Library encourage browsing.



Research in Psychology and Education at Clark started with the founding of the University. Courses for teachers are emphasized during the Summer Term.

Students graduating from Clark as Chemistry majors were well placed in industry, even in depression years. Training for ability in research is a prime objective.



**Subjects**

- Biology (pre-medical)
- Business Administration
- Chemistry
- Economics
- Education
- English
- French
- Geography (including Cartography)
- German
- History
- Mathematics
- Physics
- Psychology
- Spanish
- Stagecraft

## Questions and Answers

**For whom is the summer term intended?**

*First*, for students already in college who wish to proceed with utmost speed toward completion of their work. Such students may be those regularly enrolled at Clark or those in Worcester just for the summer.

*Second*, for teachers or other adults who desire further undergraduate or graduate training. For the second session especially, courses will be planned to meet the needs of teachers.

*Third*, for high school students graduating in June, particularly those who wish to get a taste of college before being drafted. Students desiring to go into medicine can, for instance, complete in the summer two year-courses, one in Biology, another in Chemistry, Mathematics, English, Foreign Language, or Social Science.

**When does the term begin?**

The first six-week session begins June 12 and extends to July 22. The second six-week session begins July 24 and extends to September 2.

**How much credit does each six-week session yield?**

A normal program of two courses yields credit of six semester hours.

**Do any special offerings distinguish the Clark University Summer Term from that of many other small institutions?**

Yes—the "Workshop" for teachers of high school Geography, the intensive course in Stagecraft, excellent opportunities in Cartography, and offerings in Business Administration.

**What is Clark's endowment?**

The endowment is more than five million dollars, and buildings and grounds are valued at about one and one-half million dollars.

**What is the cost of the summer term?**

The tuition is \$48.00 for each six-week session. Most science courses have a laboratory fee of five dollars for each six-week session. In Chemistry there is also a breakage fee. Books are additional. Meals are obtained nearby at normal rates.

**Are scholarships available for the Summer Term?**

Yes, for undergraduate men and for graduate students.

For further information, address

**The Dean, Clark University**  
WORCESTER, MASSACHUSETTS



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 under the Act of August 24, 1912. Acceptance for mailing at special rate of postage provided  
 for in Section 1103, Act of October 3, 1917, authorized January 24, 1921.

The main undergraduate dormitory and central dining hall are  
 a block from the quadrangle. There are other small dormitories  
 on the campus. During the summer term dormitory facilities will  
 be available for both men and women.



Entered as second-class matter  
 at the Post Office  
 at Worcester, Massachusetts

# Clark University Bulletin

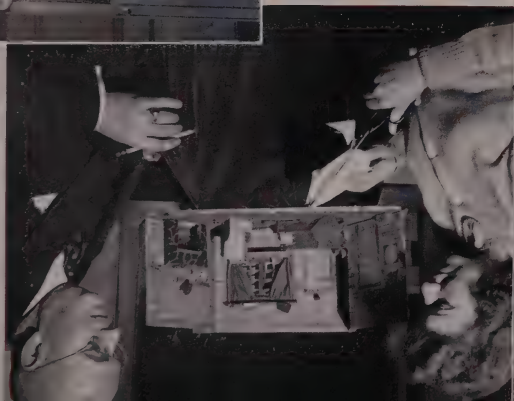
WORCESTER, MASSACHUSETTS  
 Number 167 — January 1944



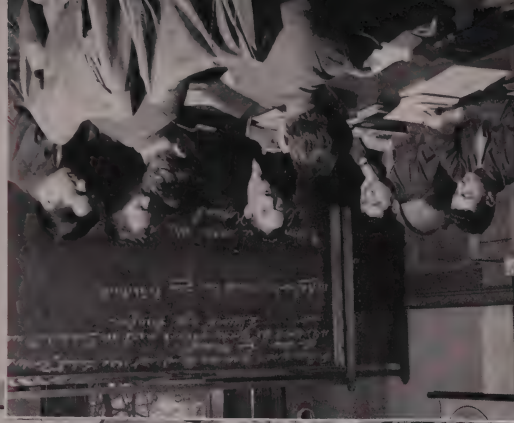
The main campus consists of the  
 quadrangle shown at the left. The  
 tower separates the auditorium from  
 the Library and Geography Labor-  
 atories. The Library houses over  
 70,000 bound volumes and pamph-  
 lets and subscribes to over 600  
 journals.  
 In the corners of the quadrangle not  
 shown are the Science Laboratories  
 and the Gymnasium.



Students in Stagecraft  
 produce several plays  
 during the summer  
 term. The course is  
 offered only during the  
 second session, so that  
 teachers may attend.



The opportunities in Stage-  
 craft always attract a good  
 ly number of summer stu-  
 dents. Frequently several  
 elect that course only, em-  
 ploying many hours a day  
 in planning and construct-  
 ing scenery.



Clark's facilities in  
 Geography, Economics,  
 and History brought  
 her an ASTP Area  
 and Language section.  
 Language studies are  
 especially emphasized  
 in such a unit. The fa-  
 cilities of these depart-  
 ments will be available  
 for Summer Term stu-  
 dents.

















